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BEOBACHTUNGS-MANUSCRIPTE

AUS

INDIEN UND HOCHASIEN

WÄHREND DER JAHRE 1854 BIS 1858

VON

HERMANN, ADOLPH UND ROBERT SCHLAGINTWEIT.

BIBLIOTHEK SCHLAGINTWEIT

BAND 22.

FLUSSTEMPERATUR

Schlagintweitiana II. 1. 22.

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II

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Itinerar.

1. H. A. R. *Bombáy* durch das nördliche Indien, zum Theile auf verschiedenen Routen bis *Madrás.*
2. A. *Kalkútta* durch *Hindostán* (N. W. Prov.) nach *Mílum* in *Kămáon.*
3. A. R. *Mílum* durch *Gnári Khórsum (Tíbet)* und *Gărhvál* nach *Măssúri.*
4. Eleazar und Daniel. *Séltšel* in *Tíbet* durch *Níti* und *Džhósimath* nach *Bádrinath.*
5. A. R. *Măssúri* durch *Hindostán* (N. W. Prov.) und *Central-Indien* nach *Símla.*
6. H. *Dibrugắrh* in *Assám* nach *Kalkútta.*
7. H. R. *Símla* durch *Kúlu*, *Lahṓl* und *Spíti* nach *Ladák (Tíbet)*, *Turkistán* und von *Ladák* nach *Kashmír.*
8. A. *Símla* durch *Tsánskar, Bálti (Tíbet), Musták* und *Hasóra (Tíbet)* nach *Kashmír.*
9. R. *Kashmír* durch den *Păndžáb*, *Sindh*, *Kătšh* und *Kattevár* nach *Bombáy.*
10. A. *Kashmír* bis *Lahór.*
11. R. *Bombáy* nach *Ceylón*, *Egypten* und *Europa.*
12. Hĕrkíshen. *Allahabád* nach *Ágra.*
13. Daiádher u. Džohár Singh. *Lahṓl* durch *Tšámba* nach *Kashmír.*
14. Hĕrkíshen. *Musakḗl* nach *Lahór.*

Band 2.

Route-Book.

1. A. R. Reise-Bemerkungen.
2. A. Allgemeine Schilderungen.
3. A. *Bombáy* bis *Bassáin.*
4. R. *Amarkántak* (Central-Indien).
5. H. *Assám.*
6. Adams. *Titaláya* bis *Málda.*
7. H. *Khássia*-Gebirge.
8. A. *Raulpíndi* bis *Pesháur.*
9. A. *Pesháur. Lahór. Păndžáb* Allgemeines. *Benáres.*
10. A. *Păndžáb*; Schrittzählungen und topographische Notizen.
11. R. *Păndžáb. Salt-Range.*
12. R. *Păndžáb. Sindh.*
13. R. Routen im *Păndžáb* und in *Sindh.*
14. R. *Ceylón.*
15. H. A. R. Verschiedene Routen. Verzeichniss der *Dák Bángalos* von *Kalkútta* nach *Déhli.*
16. H. A. R. Preise von Lebensmitteln in *Dák Bángalos* etc.
17. H. A. R. Adressen indischer Officiere und Beamten.

Erläuterungen für Deckblätter der Zeichnungen.

18. H. *Bombáy* bis *Madrás.*
19. H. *Assám. Bhután.*
20. H. *Khássia*-Gebirge.
21. H. *Síkkim.*
22. H. A. Westlicher *Himálaya.*
23. H. A. Notizen für Atlas, Relief, Photographien.

Band 3.

Route-Book.

1. H. *Udelgúri* bis *Nărigún. Tauóng* bis *Lhássa.*
2. H. *Síkkim.*
3. H. *Kathmándu* bis *Noakṓt (Tíbet).*
4. R. *Nainitál* bis *Mílum (Kămáon).*
5. Eleazar. *Gărhvál.*
6. R. *Sahároanpur* bis *Símla.*
7. R. *Lahṓl. Ladák (Tíbet).*
8. R. Schrittzählungen. *Lahṓl* bis *Leh (Tíbet).*
9. H. *Símla* bis *Vángtu (Sĕrmór).*
10. H. *Vángtu* bis *Leh (Tíbet).*
11. H. R. *Núbra (Tíbet). Turkistán.*
12. H. R. Routen: a. *Ladák* nach *Lhássa (Tíbet).* b. *Nepál* bis *Pétšing (China).* c. *Leh (Tíbet)* bis *Yárkand (Turkistán).* d. *Turkistán* bis an die russische Grenze.
13. A. *Badakhshán.*
14. A. *Pesháur* bis *Kháiber* Pass.
15. H. *Ladák (Tíbet)* bis *Islamabád.*
16. H. *Kắrgil* bis *Islamabád* (Pedometer).
17. H. A. R. Mitgetheilte Routen im westlichen *Himálaya.*
18. R. *Dras* bis *Kashmír.*
19. Eleazar. *Símla* bis *Kashmír.*
20. A. *Kashmír* bis *Mắrri.*
21. H. *Kashmír* bis *Baramúla.*
22. H. *Kashmír* bis *Raulpíndi.*
23. H. A. R. Schrittzählungen. *Kashmír* bis *Raulpíndi.*
24. Máni. Route über *Pũtš* Pass nach *Raulpíndi.*

Band 4.

Route-Book.

Routen, mitgetheilt von dem Foreign Office Kalkútta.

1. Dr. Bayfield. Journey from *Áva* to the frontier of *Assám.*
2. H. B. Hodgson. Towns, Villages and Houses in the Valley of *Nepál.*
3. H. B. Hodgson. Journey from *Kathmándu* to *Dang Sállian* and *Džáger Kōt.*

Band 5.

Vergleichung und Correction der Instrumente.

1. H. A. R. Zusammenstellung der in Indien benützten Instrumente.

Bestimmung der Correction der Instrumente.

2. Kew Observatory.
3. H. A. R. *Bombáy. Madrás. Ceylón.*
4. H. A. R. *Bengál. Hindostán* (N.W. Prov.).
5. H. *Síkkim. Kathmándu.*
6. H. A. R. *Símla. Ladák (Tíbet). Kashmír.*
7. A. *Pesháur* bis *Lahór. Kohát* (Dr. Wallich).
8. H. R. *Wien;* nach Rückkehr aus Indien.
9. H. Correction der Instrumente für *Máni.*
10. H. A. Pedometer- und Fernrohre-Mikrometer-Correction.
11. H. A. R. Theodolithen-, Klinometer-, Regenbecher-Correction.
12. H. R. Araeometer- und Deep Sea Lead Correction.
13. Ozon- und Cyanometer-Skala.
14. H. R. Beschreibung eines Reisemessers.
15. H. A. R. Instrumente; allgemeine Bemerkungen.

Band 6.

Topographie und trigonometrische Messungen.

1. H. A. R. *Bombáy* bis *Madrás.*
2. R. *Central-Indien* (auch Geologie).
3. A. *Ágra* bis *Sắger.*
4. H. *Khássia*-Gebirge.
5. H. *Bhután.*
6. H. *Síkkim.*
7. H. *Nepál.*

Band 7.

Topographie und trigonometrische Messungen.

1. A. R. *Kămáon. Gărhvál. Gnári Khórsum (Tíbet).*
2. R. *Símla. Símla* bis *Ladák (Tíbet).*
3. H. R. *Símla* bis *Ladák (Tíbet). Leh* in *Ladák.*
4. H. R. *Núbra (Tíbet). Turkistán.*
5. H. R. *Ladák (Tíbet)* bis *Kashmír.*

Band 8.

Topographie und trigonometrische Messungen.

A. Topographie, trigonometrische Messungen, Route-Book und Kartenskizzen in *Lahṓl, Bálti* und *Musták.*

Band 9.

Astronomische Ortsbestimmungen und magnetische Beobachtungen.

1. H. A. R. Vergleichung der Chronometer.
2. H. A. R. Vergleichung der Magnete; allgemeine Bemerkungen.

Magnetische Beobachtungen.

3. H. A. *Bombáy* bis *Madrás.*
4. A. *Central-Indien.*
5. A. *Nílgiri*-Gebirge.
6. H. R. *Ceylón.*
7. H. *Egypten.*

Band 10.

Astronomische Ortsbestimmungen und magnetische Beobachtungen.

1. H. A. Oestliches *Bengál.*
2. H. *Khássia*-Gebirge.
3. H. *Assám.*
4. H. *Bengál. Hindostán* (N.W. Prov.).
5. H. A. R. *Păndžáb.*
6. R. A. Südlicher *Păndžáb. Sindh. Kătšh. Gudžra*

Band 11.

Astronomische Ortsbestimmungen und magnetische Beobachtungen.

1. H. *Bhután.*
2. H. *Síkkim.*
3. H. *Nepál.*
4. A. R. *Kămáon.*
5. R. *Símla. Kúlu.*
6. A. R. *Gnári Khórsum (Tíbet).*
7. A. R. *Gărhvál.*
8. H. A. R. *Srinắgger* in *Kashmír. Kashmír.*

Band 12.

Astronomische Ortsbestimmungen und magnetische Beobachtungen.

1. H. A. R. *Kashmír.* (Fortsetz.)
2. H. A. *Mắrri.*
3. H. R. *Símla* bis *Ladák (Tíbet).*
4. H. R. *Leh (Tíbet).*
5. H. R. und Hĕrkíshen. Magnetische Station *Leh (Tíbet).*
6. H. R. *Núbra (Tíbet). Turkistán.*
7. A. *Lahṓl. Bálti. Musták (Tíbet).*
8. H. A. R. Allgemeine astronomische Beobachtungen.

Band 13.

Hypsometrische Beobachtungen und Gang des Barometers.

1. H. A. R. Umgebungen von *Bombáy.* A. *Bombáy* bis *Púna.*
2. H. R. *Bombáy* über *Bhor Ghat* nach *Púna.*
3. H. A. R. *Púna* bis *Gorigáũ.*
4. H. A. R. *Gorigáũ* bis *Bangalúr.*
5. R. *Bangalúr* bis *Madrás.*
6. A. *Bellári* bis *Madrás.*
7. Zusammenstellung verschiedener Höhen in der *Bombáy*-Presidency.
8. A. *Madrás* bis *Nílgiri*-Gebirge.
9. A. *Nílgiri*-Gebirge.
10. H. und Adams. *Assám.*
11. H. *Khássia*-Gebirge.
12. Major Thuillier. Correspondirende Beobachtungen in *Kalkútta* für 1855.
13. Major Thuillier. Stündliche Beobachtungen in *Kalkútta.*
14. H. *Bengál. Hindostán* (N.W. Prov.).
15. A. *Sắger* bis *Kokonáda.*
16. R. *Rúrki* bis *Amarkántak* und *Símla.*

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Hypsometrische Beobachtungen und Gang des Barometers.

1. H. *Nărigún (Bhután).*

2. H. *Síkkim.*
3. H. *Nepál.*
4. A. R. *Kămáon. Gărhvál. Gnári Khórsum (Tíbet).*
5. A. *Gărhvál. Gnári Khórsum (Tíbet).*

Band 15.

Hypsometrische Beobachtungen und Gang des Barometers.

1. R. *Símla* und Umgebungen.
2. R. *Símla* bis *Ladák (Tíbet).*
3. H. *Símla* bis *Ladák (Tíbet).*
4. Eleazar. *Símla* bis *Kashmír.*
5. Hĕrkíshen. Reihe von Beobachtungen in *Leh (Tíbet).*
6. H. R. *Núbra (Tíbet). Turkistán.*

Band 16.

Hypsometrische Beobachtungen und Gang des Barometers.

1. A. *Símla* bis *Lahől, Bálti* und *Kashmír.*
2. R. *Ladák (Tíbet)* bis *Kashmír.*
3. H. *Tríspon* bis *Kashmír.*
4. H. A. R. und Assistenten. *Srinắgger* in *Kashmír.*
5. R. *Kashmír* bis *Raulpíndi.*
6. A. H. *Kashmír* bis *Mắrri.*
7. Máni. *Pũtš* bis *Raulpíndi.*
8. H. A. R. *Raulpíndi.*
9. A. *Raulpíndi* bis *Pesháur.*
10. A. *Pesháur. Kohát.*
11. A. *Pesháur* bis *Lahór;* H. *Raulpíndi* bis *Ludhiána.*
12. R. *Raulpíndi* bis *Bombáy.*
13. H. R. *Egypten.*

Band 17.

Allgemeine Meteorologie und Lufttemperaturen.

1. H. A. R. Lufttemperatur auf der Seereise nach Indien und Rückreise nach Europa.
2. H. A. R. *Bombáy* bis *Madrás.*
3. H. *Kalkútta* bis *Síkkim.*
4. H. *Síkkim. Khássia*-Gebirge.
5. H. Curven zu *Síkkim* bis *Khássia*-Gebirge.
6. Monteiro. *Titaláya* bis *Kalkútta.*
7. H. *Assám.*
8. Adams und Abdul. *Assám.*
9. J. Mills. Medical Report on *Tšéra Púndži.*
10. H. *Khássia*-Gebirge.
11. Hĕrkíshen. *Allahabád* bis *Ágra.*
12. Wiggins. *Ságer.*
13. Mitgetheilt *Gúti* (Südindien).
14. A. *Pesháur* bis *Lahór.*
15. R. *Sindh.*
16. Monteiro. *Pind Dádan Khán* bis *Multán.*
17. H. A. R. Vereinzeltes in *Ceylón* und *Europa.*

Band 18.

Allgemeine Meteorologie und Lufttemperaturen.

1. Major Thuillier. *Kalkútta;* April 1855 bis März 1857.
2. Major Thuillier. Ten Minutes Observations at *Kalkútta.*
3. Dr. Thorold. *Purundúr (Dékhan).*
4. Georg v. Liebig. *Kírki* bis *Singhắr (Dékhan).*
5. Dr. Eatwell. *Hong Kóng* und *Shanghái.*
6. Gubbins. *Aligărh.*
7. Beobachtungen an der *Son*-Brücke.
8. Dr. Reyher. Beobachtungen in *Káiro;* März 1857.

Band 19.

Allgemeine Meteorologie und Lufttemperaturen.

1. H. *Dardžíling;* 1ste Reihe.
2. H. *Tónglo. Fălút (Síkkim).*
3. H. *Dardžíling;* 2te Reihe.
4. H. B. Hodgson. *Kathmándu (Nepál);* 1833 bis 1839.
5. Residency Surgeons. *Kathmándu (Nepál);* 1851 bis 1855.
6. Dr. Brown. *Kathmándu (Nepál).*
7. H. *Kathmándu (Nepál).*
8. Colonel Waugh. Gracemount zu *Măssúri.*
9. Major Thuillier. *Kalkútta;* correspondirende Beobachtungen für Colonel Waugh zu *Măssúri.*
10. Daniel und Eleazar. *Séltšel* in *Tíbet* bis *Bádrinath (Gărhvál).*
11. R. *Măssúri (Gărhvál).*
12. Colonel Waugh. *Măssúri;* correspondirende Beobachtungen für A. uud R. in *Kămáon* und *Gărhvál.*
13. J. Mc. Innon. *Măssúri (Gărhvál).*
14. R. *Símla.*
15. R. Berechnung der *Símla*-Beobachtungen.
16. Pagel. Beobachtungen in *Lahől.*
17. H. *Símla* bis *Leh.*
18. Hĕrkíshen. Luft und Feuchtigkeit in *Leh.*
19. R. Indus bei *Leh.*
20. Máni. *Súget* in *Turkistán* bis *Leh.*
21. A. *Símla*, *Bálti* und *Kashmír.*
22. H. *Islamabád* bis *Kashmír.*
23. Kríshna. *Kashmír* bis *Raulpíndi.*

Band 20.

Kohlensäure-Versuche. — Regenmengen. — Wolkenhöhen. — Ozon.

1. H. A. R. Allgemeine meteorologische Notizen in den Ebenen.
2. H. A. R. Allgemeine meteorologische Notizen im Gebirge.

Kohlensäure-Versuche und Liste der mit Luft gefüllten Flaschen.

3. H. *Síkkim.*
4. H. *Bengál. Assám. Hindostán* (N. W. Prov.).
5. A. Auf verschiedenen Meeren.
6. R. *Kămáon. Gărhvál. Central-Indien. Ladák (Tíbet).*

Messungen von Regen.

7. H. A. R. Zusammenstelluug extremer Regenmengen.
8. H. *Assám. Bengál. Süd-Indien. Păndžáb.*
9. H. *Síkkim.*
10. H. A. R. Westlicher *Himálaya. Bálti. Ladák (Tíbet). Turkistán.*
11. H. A. R. Notizen über Feuchtigkeit, Wolken und Nebel.

12. H. Notizen über Luft-Elektricität.
13. H. A. R. Ozon-Beobachtungen.
14. H. A. R. Notizen über Winde.
15. H. Heisse Winde und Staubstürme.

Band 21.

Optische Erscheinungen der Atmosphäre. Beobachtungen über Thau. — Gletscher.

1. H. Insolations-Beobachtungen in *Hindostán* (N. W. Prov.).
2. H. R. Insolations-Beobachtungen in *Leh (Tíbet)*.
3. H. Polarisation. — Farbe des Himmels und chemische Wirkung des Lichtes.
4. H. R. Refractions-Beobachtungen.
5. R. Durchsichtigkeit der Luft.
6. H. A. R. Dämmerung.
7. H. A. R. Alpenglühen.
8. H. A. R. Optische Täuschungen.
9. H. A. R. Beobachtungen über Thau.
10. H. R. Feuchtigkeits-Bestimmungen von Erden.
11. A. R. Gletscher, 1855.
12. A. Gletscher, 1856.
13. H. R. Gletscher, 1856.

Band 22.

Flusstemperaturen.

Temperaturen des Ganges s. die Beobachtungen von Mr. Knott in Bd. 13- Patna

1. H. *Assám. Bhután.*
2. H. *Dibrugárh* (*Assám*) bis *Kalkútta.*
3. H. *Húgli* bis *Kalkútta.*
4. Adams. *Assám.*
5. H. *Kalkútta* bis *Síkkim.*
6. H. *Síkkim. Khássia*-Gebirge bis *Assám.*
7. Abdul. *Síkkim. Gohátti.*
8. H. A. R. *Hindostán* (N.W. Prov.).
9. H. *Nepál.*
10. A. R. *Kămáon. Gărhvál. Gnári Khórsum* (*Tíbet*).
11. A. *Símla* bis *Ladák* (*Tíbet*).
12. A. *Símla* bis *Ladák* (*Tíbet*).
13. H. R. *Ladák* (*Tíbet*). *Turkistán.*
14. Máni und Ramasámi. *Súget* bis *Ladák* (*Tíbet*).
15. H. *Ladák* (*Tíbet*) bis *Kashmír.*
16. R. *Ladák* (*Tíbet*) bis *Kashmír.*
17. R. *Kashmír* bis *Raulpíndi.*
18. A. H. R. Indus.
19. R. *Păndžáb.*
20. H. *Rávi. Lahór. Ágra.*
21. R. *Sindh.*
22. H. R. *Egypten.*

Band 23.

Bodentemperaturen in verschiedenen Tiefen.

1. H. A. R. *Bombáy* bis *Madrás.*
2. H. A. R. *Madrás* (botanischer Garten). *Utatamánd.*
3. Major Worcester. *Madrás* (Observatory).
4. R. *Ceylón.*
5. H. *Assám.*
6. H. *Tšéra Púndži.*
7. A. R. *Central-Indien. Hindostán* (N.W. Prov.).
8. H. *Kalkútta.* bis *Lahór.*
9. H. *Dardžíling.*
10. H. *Tónglo. Fălút* (Oberfläche).
11. H. *Tónglo. Fălút* (0,3 Meter Tiefe).
12. H. *Tónglo. Fălút* (1 Meter Tiefe).

Band 24.

Bodentemperaturen in verschiedenen Tiefen.

1. H. *Nepál.*
2. A. R. *Kămáon. Gărhvál. Gnári Khórsum* (*Tíbet*).
3. R. *Kămáon. Gărhvál. Gnári Khórsum* (*Tíbet*).
4. R. *Símla.*
5. R. *Símla* bis *Ladák* (*Tíbet*).
6. R. H. *Leh* in *Ladák* (*Tíbet*).
7. R. H. *Turkistán. Kashmír.*
8. A. *Lahŏ́l. Bálti* (*Tíbet*). *Musták.*
9. R. *Mắrri. Raulpíndi.*
10. H. *Lahór.*
11. A. *Păndžáb.*
12. R. *Păndžáb.*
13. R. *Sindh. Kătšh. Kattevár.*

Band 25.

Beobachtungen über die physikalischen Verhältnisse des Meeres. — Sammlung von Meereswaser und Wasser von Flüssen zur Analyse.

Araeometrische Beobachtungen.

1. H. A. R. *Southampton* bis *Alexándria.*
2. H. A. R. *Súez* bis *Bombáy.*
3. Dr. Giraud und Schiffskapitäne. *Súez* bis *Kalkútta*; mitgetheilte Beobachtungen.
4. H. A. R. *Madrás* nach *Kalkútta.*
5. A. *Kokonáda* nach *Madrás.*
6. R. *Bombáy* bis *Ceylón.* Golf von *Kambáy.*
7. H. *Kalkútta* bis *Ceylón.*
8. H. R. *Ceylón* bis *Súez.*
9. H. R. *Alexándria* bis *Triest.*
10. H. R. Diaphanometrische Beobachtungen.

Sammlung von Wasserflaschen.

11. H. A. R. Wasser von verschiedenen Meeren.
12. H. A. R. *Bombáy* bis *Madrás.*
13. H. *Bengál.*
14. H. *Assám.*
15. Eleazar. *Kalkútta* durch *Hindostán* (N.W. Prov.) bis *Nainitál.*
16. R. A. *Hindostán* (N.W. Prov.). *Central-Indien.*
17. H. *Păndžáb. Hindostán* (N.W. Prov.). *Behár.*
18. A. R. *Kămáon. Gărhvál. Gnári Khórsum* (*Tíbet*).
19. H. *Símla* bis *Ladák* (*Tíbet*).
20. R. *Símla* bis *Ladák* (*Tíbet*).
21. H. R. *Ladák* (*Tíbet*). *Turkistán.*
22. Eleazar. *Símla* bis *Kashmír.*
23. A. *Bálti* (*Tíbet*). *Musták.*
24. A. *Păndžáb.*
25. R. *Păndžáb. Sindh. Kătšh. Gudžrát.*
26. H. R. *Egypten.*

Band 26.

Beobachtungen über Quellen und Thermen.

Kalte Quellen.

1. A. *Bombáy* bis *Madrás.*
2. A. *Utakamánd.*
3. R. *Central-Indien.*
4. H. Bodenwasser, *Ceylón.*
5. H. *Khássia*-Gebirge.
6. H. *Assám.*
7. H. *Bengál.*
8. A. *Păndžáb.*

9. R. *Pǎndžáb. Sindh. Kǎtšh.*
10. H. *Síkkim.*
11. H. *Nepál.*
12. A. R. *Kǎmáon. Gǎrhvál. Benáres.*
13. Eleazar. *Džắmu* bis *Kashmir.*
14. A. *Símla* bis *Ladák* (*Tíbet*). *Kashmir.*
15. R. *Sĕrmór. Kúlu.*
16. R. *Gnári Khórsum* (*Tíbet*).
17. R. *Ladák* (*Tíbet*). *Turkistán. Kashmír.*

Heisse Quellen.

18. R. Allgemeines.
19. A. Angabe von heissen Quellen.
20. A. *Badratšéllum.*
21. H. *Sitakúnd.*
22. R. *Sindh.*
23. A. R. *Kǎmáon. Gǎrhvál.*
24. A. R. *Sĕrmór. Kúlu.*
25. H. R. *Turkistán. Múlbe* (*Tíbet*).
26. A. *Bálti. Musták. Kashmír.*
27. H. R. Salzpfuhle in *Turkistán.* Beobachtungen in Salzpfuhlen zu *Leh* (*Tíbet*).

Band 27.

Geologische Beobachtungen.

1. A. Overland Route nach *Bombáy.*
2. A. *Bombáy* und Umgebungen.
3. A. *Bombáy* bis *Mahabaléshvar* und *Púna.*
4. A. *Púna* bis *Bellári.*
5. A. *Bellári* bis *Madrás.*
6. H. *Bombáy* bis *Madrás.*
7. A. *Madrás* bis *Pondishérri* und *Tritšinopálli.*
8. Allgemeines über *Pondishérri* und *Tritšinopálli.*
9. *Ságer* bis *Nágpur.*
10. Umgebung von *Nágpur* bis *Radžamắndri* und *Madrás.*

Band 28.

Geologische Beobachtungen.

1. H. Allgemeines.
2. H. *Assám.*
3. H. *Khássia*-Gebirge.
4. A. *Kalkútta* über *Hindostán* (N. W. Prov.) nach *Almóra.*
5. A. *Kalkútta* über *Hindostán* (N. W. Prov.) nach *Símla.*
6. H. *Bengál. Hindostán* (N. W. Prov.).
7. General Boileau and Colonel Sage. Notes on *Kắnker.*
8. A. *Mǎssúri* bis *Ságer* und *Džáblpur.*
9. H. *Nǎrigún.*
10. H. *Nepál.*
11. A. *Nainitál* bis *Mílum* (*Kǎmáon*).
12. R. *Nainitál* bis *Mílum* (*Kǎmáon*).
13. A. *Mílum* über *Gnári Khórsum* (*Tíbet*) nach *Mána* (*Gǎrhvál*).
14. A. *Mána* über *Gnári Khórsum* (*Tíbet*) bis *Nélong* (*Gǎrhvál*).
15. A. *Nélong* bis *Mǎssúri* (*Gǎrhvál*).
16. R. *Bádrinath* bis *Mǎssúri* (*Gǎrhvál*).
17. A. *Símla* bis *Sultánpur* (*Kúlu*) und *Kárdong* (*Lahŏ́l*).

Band 29.

Geologische Beobachtungen.

1. A. *Skárdo* bis *Hasóra*-Thal (*Tíbet*).
2. A. *Naugáum* im *Hasóra*-Thale (*Tíbet*) bis *Kashmír.*
3. H. *Símla* bis *Ladák* (*Tíbet*).
4. R. *Lahŏ́l* bis *Ladák* (*Tíbet*).
5. H. R. *Ladák* (*Tíbet*). *Núbra* (*Tíbet*). *Turkistán.*
6. H. *Ladák* bis *Kashmír.*
7. R. *Ladák* bis *Kashmír.*
8. R. *Kashmír* bis *Raulpíndi.*
9. A. *Kashmír* bis *Raulpíndi.*
10. H. *Pǎndžáb.*
11. A. *Pesháur* bis *Kohát* und *Lahór.*

Band 30.

Geologische Beobachtungen.

1. R. *Raulpíndi* durch *Sindh*, *Kǎtšh* und *Kattevár* bis *Bombáy.*
2. R. *Ceylón.*
3. H. R. *Egypten.*
4. A. Terminologie der Erosions-Lehre.
5. H. R. Erosionen, *Assám. Tíbet.*
6. H. Erosionen, *Hindostán* (N. W. Prov.).
7. H. Erosionen, *Símla* bis *Ladák* (*Tíbet*).
8. H. Erosionen, *Tars. Nepál.*
9. A. R. Neigungsmessungen.
10. H. A. R. Erdbeben.
11. H. Salzseen.

Band 31.

Geologische Sammlungen.

1. A. *Gibráltar* bis *Bombáy.*
2. A. *Bombáy* bis *Madrás.*
3. H. R. Ueberlandroute, Europa zur Vergleichung.
4. A. *Kalkútta* bis *Bádrinath.*
5. A. *Bádrinath* bis *Mǎssúri.*
6. Máni. *Gnári Khórsum* (*Tíbet*).
7. A. *Mǎssúri* bis *Džáblpur.*
8. A. *Džáblpur* bis *Mǎdrás.*
9. A. *Madrás. Tritšinopálli. Nílgiri*-Gebirge.
10. A. *Kalkútta* bis *Símla* und *Khápalu* (*Tíbet*).
11. A. *Khápalu* bis *Skárdo* (*Tíbet*) und *Kashmír.*
12. A. *Kashmír* bis *Raulpíndi* und *Pesháur.*
13. A. *Kalabágh* am Indus.
14. A. *Kussialgắrh* bis *Kalabágh* und *Lahór.*
15. R. H. *Bombáy* bis *Madrás.*
16. R. *Bádrinath* bis *Mǎssúri.*
17. R. *Central-Indien.*
18. R. *Ágra* bis *Símla.*
19. R. *Símla* bis *Ladák* (*Tíbet*).
20. H. R. *Ladák* (*Tíbet*). *Turkistán.*
21. R. *Kắrgil* bis *Raulpíndi.*
22. R. *Raulpíndi* bis *Multán.*
23. R. *Multán* bis *Bombáy.*

Band 32.

Geologische Sammlungen.

1. H. *Dardžíling. Tšéra Púndži.*
2. H. *Assám* und durch die *Sắnderbắns* herab nach *Kalkútta.*
3. Adams. *Assám.*
4. H. *Kalkútta* bis *Símla.*
5. H. *Símla* bis *Ladák* (*Tíbet*). *Säcke.*
6. H. *Raulpíndi* bis *Pátna.*
7. H. *Tarái. Nepál.*
8. H. *Pátna* bis *Kalkútta.*

9. H. *Símla* bis *Ladák* (*Tíbet*).
10. H. *Ladák* bis *Kashmír*.
11. H. *Kalkútta* bis *Triest*.
12. Monteiro, Eleazar und Daniel. *Kalkútta* bis *Símla* und *Nainitál*.
13. Kompássis. *Bádrinath*.
14. Eleazar. *Símla* bis *Kashmír*.
15. Daiádher und Džohár Singh. *Lahől* bis *Kashmír*.
16. Máni. *Úri* bis *Raulpíndi*.
17. Hĕrkíshen. *Musakḗl* bis *Lahór*.
18. General Cullen. *Madrás*.
19. R. *Ceylón*.
20. Monteiro. *Ceylón*.
21. F. Layard. *Ceylón*.
22. R. Sammlungen für G. von Liebig in *Kalkútta*.

Band 33.

Hydrographie der Flüsse.

1. H. A. R. Allgemeines.
2. H. und Adams. *Bĕrhampútra* und Nebenflüsse. *Bĕrhampútra Delta*.
3. H. A. R. und Assistenten. *Gánges*.
4. A. R. und Assistenten. *Džắmna*.

Band 34.

Hydrographie der Flüsse.

Grosse Flüsse im Păndžáb.

1. H. A. R. *Índus*.
2. H. A. R. *Džhílum*.
3. H. A. R. *Tšināb*.
4. H. A. R. *Biás*.
5. H. A. R. *Rávi*.
6. H. A. R. *Sátledž*.
7. H. A. R. *Shayók*.

Grosse Flüsse in Indien.

8. H. A. R. *Gắndak*.
9. R. *Nărbắdda*.
10. R. *Tons*.
11. H. A. R. *Son*.
12. A. *Godáveri*.

Band 35.

Hydrographie der Flüsse.

Kleine Flüsse in Indien.

1. H. R. *Ceylón*; auch Bemerkungen über *Nil*.
2. H. A. R. *Bombáy* bis *Madrás*.
3. R. *Central-Indien*.
4. A. *Central-Indien*.
5. H. *Bengál*. *Assám*.
6. Adams. *Bengál*. *Assám*.
7. H. A. R. *Hindostán* (N. W. Prov.)

Kleine Flüsse in Hochasien.

8. H. *Síkkim*.
9. A. R. *Nainitál* bis *Mílum*.
10. A. R. *Gúri*, Bach bei *Mílum*.
11. A. R. *Gnári Khórsum*. *Gărhvál*.
12. H. *Símla* bis *Ladák* (*Tíbet*).
13. R. *Símla* bis *Ladák* (*Tíbet*).
14. A. *Bálti*. *Musták*. *Hasóra* (*Tíbet*).
15. R. H. *Ladák* (*Tíbet*). *Turkistán*.
16. H. *Kashmír*. Nördlicher *Păndžáb*.
17. A. *Kashmír*. Nördlicher *Păndžáb*.
18. R. *Kashmír*. Nördlicher *Păndžáb*.
19. Eleazar. *Símla* bis *Kashmír*.
20. H. R. *Kashmír* bis *Wúler* See.
21. H. *Kathmándu*, Seebecken.
22. R. *Mántšar*-See (*Sindh*).

Band 36.

Beobachtungen über Tiefe und Temperatur des unterirdischen Wassers.

1. A. *Central-Indien*. *Süd-Indien*.
2. R. *Central-Indien*.
3. H. *Assám*.
4. H. *Behár*. *Tírhút*.
5. H. *Bengál*.
6. H. *Hindostán* (N. W. Prov.).
7. A. *Hindostán* (N. W. Prov.).
8. R. *Hindostán* (N. W. Prov.).
9. H. *Păndžáb*.
10. A. *Păndžáb*, Allgemeines.
11. A. *Raulpíndi* bis *Pesháur*.
12. A. *Pesháur*.
13. A. *Pesháur* bis *Lahór*.
14. Ramtsánd. *Kalabágh* bis *Dḗra Ismáel Khán*.
15. R. *Păndžáb*. *Sindh*.
16. R. und Eleazar. *Raulpíndi*.
17. Holmes. Unterirdisches Wasser.
18. H. *Nepál*.
19. Eleazar. *Símla* bis *Kashmír*.
20. H. R. *Egypten* bis *Europa*.

Band 37.

Messungen von Menschenracen.

1. H. A. R. Allgemeines.
2. H. A. R. Sammlung von Hindu- und Mussălmán-Namen.
3. H. R. Messungen an Statuen.
4. H. A. R. *Bombáy* his *Madrás*.
5. R. *Central-Indien*.
6. H. *Alipúr Jail* (*Kalkútta*).
7. H. *Tšéra Púndži*.
8. H. *Gohátti*. *Assám*.
9. H. *Tḗzpur*. *Assám*.
10. Adams. *Belispádi*. *Džáipur*. *Kúdžu*.
11. H. *Síkkim*.

Band 38.

Messungen von Menschenracen.

1. H. *Nepál*.
2. A. R. *Kămáon*. *Gnári Khórsum* (*Tíbet*). *Gărhvál*.
3. R. H. *Símla* bis *Ladák* (*Tíbet*).
4. H. A. R. Gipsabgüsse. *Símla* bis *Ladák* (*Tíbet*).
5. Monteiro. *Símla* bis *Kashmír* und *Raulpíndi*.
6. R. H. *Ladák* (*Tíbet*). *Turkistán*.
7. A. *Bálti* (*Tíbet*).
8. A. *Pesháur*.
8. Monteiro. *Raulpíndi* bis *Bombáy*.
10. R. Gipsabgüsse. *Raulpíndi* bis *Bombáy*. *Ceylón*.

Band 39.

Vocabulare geographischer Ortsnamen. — Etymologische und ethnographische Bemerkungen.

Geographische Ortsnamen.

1. H. R. A. *Süd-Indien*.

2. R. *Ceylón.*
3. H. *Nága*- und *Khássia*-Gebirge
4. H. *Síkkim.*
5. H. *Nepál.*
6. H. R. *Kămáon. Gărhvál.*
7. A. R. *Gnári Khórsum* (*Tíbet*).
8. A. R. *Kúlu. Lahṓl. Tsánskar.*
9. H. R. *Ladák. Turkistán.*
10. A. R. *Bálti. Păndžáb.*
11. R. *Egypten.*

Vocabulare und etymologische Notizen.

12. H. A. R. Allgemeine philologische Notizen.
13. R. Vocabular der *Gõd*-Sprache in *Central-Indien.*
14. R. Tibetanisches Vocabular, *Gnári Khórsum.*
15. H. R. Vergleichende geographische Ortsnamen, *Ladák* (*Tíbet*).
16. H. R. Vocabular der *Kokándi-*, *Yarkándi-*, *Kábul-* und *Bokhára*-Sprachen.
17. A. Vocabular der *Púshtu*- und *Káfir*-Sprachen.
18. R. Vocabular *Ceylón.*

Ethnographische Bemerkungen.

19. H. A. R. Allgemeines.
20. R. *Bengál. Central-Indien.*
21. H. A. R. *Central-Indien.*
22. H. A. *Süd-Indien.*
23. R. *Ceylón.*
24. H. *Khássia*- und *Nága*-Gebirge. *Assám.*
25. H. *Síkkim.*
26. R. *Kămáon. Gărhvál. Gnári Khórsum* (*Tíbet*).
27. A. R. *Kúlu. Lahṓl. Ladák. Kashmír.*
28. H. A. R. Medicinisch-physiologische Ethnographie.
29. H. A. R. Notizen über Architectur u. Bauwerke.

Band 40.

Zoologische Bemerkungen. — Zoologische Sammlungen. — Ethnographische Sammlungen.

Zoologische Bemerkungen.

1. H. A. R. Allgemeines.
2. H. R. Bluttemperaturen von Thieren.
3. H. *Síkkim.*
4. H. A. R. *Bombáy* bis *Madrás. Indische Ebenen. Assám.*
5. H. Krokodile. *Kaimúr*-Gebirge.
6. A. R. *Kămáon. Gărhvál.*
7. R. *Símla* bis *Ladák* (*Tíbet*).
8. H. R. *Núbra* (*Tíbet*). *Turkistán.*
9. A. R. *Păndžáb. Sindh. Gudžrát.*

Zoologische Sammlungen.

10. H. und Monteiro. Vögel in *Kalkútta* gesammelt.
11. H. und Monteiro. Fische in *Kalkútta* gesammelt.
12. H. und Monteiro. *Dardžíling*, Quadrupeden.
13. H. und Monteiro. *Dardžíling*, Vögel.
14. Monteiro. Verzeichniss der Kisten.
15. Monteiro. *Dardžíling.* Das Personal von *Léptšas* und *Bhútias* von ihm beschäftigt.
16. Adams und Abdul. *Síkkim. Khássia*-Gebirge. *Assám.*
17. R. *Central-Indien. Hindostán* (N.W. Prov.)
18. H. *Nepál.*
19. R. *Kămáon. Gărhvál.*
20. Monteiro. *Símla* bis *Kashmír.*
21. H. *Símla* bis *Ladák* (*Tíbet*).
22. R. *Símla* bis *Ladák* (*Tíbet*).
23. H. R. Skelette von Menschen und Thieren.
24. R. *Ladák* (*Tíbet*) bis *Turkistán.*
25. Monteiro. *Sindh.*

Ethnographischo Sammlungen.

26. H. *Assám.*
27. H. und Monteiro. *Síkkim.*
28. H. *Nepál.*
29. H. R. *Ladák* (*Tíbet*). *Turkistán.*
30. H. R. *Ladák* (*Tíbet*) bis *Kashmír* u. *Raulpíndi.*
31. Monteiro. *Símla* bis *Kashmír.*
32. H. *Păndžáb. Hindostán* (N.W. Prov.).
33. A. *Pesháur.*
34. R. *Raulpíndi* bis *Bombáy.*
35. Monteiro. *Sindh.*
36. H. A. R. *Turbane.*

Band 41.

Pflanzen-Geographie. — Periodische Erscheinungen der Pflanzen. — Schneegrenzen.

Allgemeine Pflanzen-Geographie.

1. H. *Assám.*
2. H. *Síkkim.*
3. H. *Nepál.*
4. R. *Desiderata.*
5. A. R. *Süd-Indien.*
6. R. *Central-Indien.*
7. A. R. *Hindostán* (N.W. Prov.).
8. H. *Bengál. Hindostán* (N.W. Prov.).
9. R. *Kămáon. Gnári Khórsum* (*Tíbet*). *Gărhvál.*
10. H. R. *Símla* bis *Ladák* (*Tíbet*).
11. H. R. *Núbra* (*Tíbet*). *Turkistán.*
12. A. *Bálti* (*Tíbet*).
13. R. *Ladák* (*Tíbet*) bis *Raulpíndi.*
14. A. *Pesháur.*
15. R. *Raulpíndi* bis *Bombáy* und *Ceylón.*
16. R. *Egypten.*

Periodische Erscheinungen der Pflanzen.

17. H. A. R. *Bombáy* bis *Madrás.*
18. H. *Assám.*
19. H. *Hindostán* (N.W. Prov.).
20. H. *Khássia*-Gebirge.
21. H. *Síkkim.*
22. H. *Kathmándu* (*Nepál*).
23. H. *Símla* bis *Ladák* (*Tíbet*).
24. H. *Súru* (*Kashmír*).

Schneegrenzen.

25. A. R. *Kămáon. Gărhvál. Gnári Khórsum* (*Tíbet*).
26. H. und Adams. *Síkkim* (auch Winkel). *Assám.*
27. H. R. *Ladák* (*Tíbet*). *Turkistán.*

Band 42.

Baum-Durchschnitte. — Baum- und Pflanzen-Namen, auch Nutzpflanzen. — Pflanzen-Sammlungen.

Baum-Durchschnitte.

1. H. A. R. *Bombáy.*
2. R. *Central-Indien* (auch Baum-Namen).
3. H. *Assám* (auch Baum- und Pflanzen-Namen).
4. H. *Khássia*-Gebirge.

5. H. *Pátna* (*Bengál*).
6. H. *Lahór* (*Păndžáb*).
7. H und Monteiro. *Síkkim.*
8. H. *Léptša* und *Bhútia* (Baum-Namen).
9. H. *Kathmándu* (*Nepál*).
10. Rev. Procknow. *Kōtgårh* (*Sĕrmór*).
11. H. R. *Núbra* (*Tíbet*).
12. Monteiro. *Símla* bis *Kashmír.*
13. R. *Sindh.*
14. H. R. *Europa* (*Bamberg* und *Irland*).
15. H. A. R. Allgemeines über Baum-Durchschnitte.

Pflanzen-Sammlungen.

16. H. *Assám. Bhután. Süd-Indien.*
17. H. und Monteiro. *Dardžíling* (*Síkkim*).
18. H. und Monteiro. *Fălút. Tónglo* (*Síkkim*).
19. H. und Monteiro. *Fălút. Tónglo* (*Síkkim*), *Moose.*
20. H. *Nepál.*
21. H. R. *Símla* bis *Ladák* (*Tíbet*). *Turkistán. Kashmír.*
22. Daiádher u. Džohár Singh. *Lahṓl* bis *Kashmír.*
23. H. A. R. Sämereien aus Indien und Hochasien.

Band 43.

Briefe und Berichte an Seine Majestät den König Friedrich Wilhelm IV., an den Hon'ble Court of Directors of the East India Company und an Alexander v. Humboldt.

1. H. A. R. *London* 1854, operations proposed to the India hous.
   M. de la Roquette. *Paris* 1854, Notiz über Abreise.
2. H. R. *London* 1857, allgemeine Zusammenstellung der Routen nach Rückkehr von H. A. R.
3. H. A. R. *Bombáy* 1854, an den König.
   Lord Elphinstone. *Bombáy* 1854, an Humboldt.
4. A. R. *Bombáy* 1854, an Emil Schlagintweit.
   H. A. R. *Bellári* 1855, an Lord Dalhousie.
5. H. *Kalkútta* 1855, Brief an den König.
   H. A. R. *Kalkútta* 1855, Report II.
6. H. *Dardžíling* 1855, an Humboldt.
   Colvile. *Kalkútta* 1855, an Humboldt.
   Hodgson. *Dardžíling* 1855 an Humboldt.
   H. *Fălút* 1855, an Kárak Bahádur.
7. A. R. *Nainitál* 1855, an Humboldt.
   A. R. *Mílum* 1855, an den König.
8. A. *Mílum* 1855, an Humboldt.
   A. R. *Măssúri* 1855, an den König.
   A. R. *Ágra* 1855, Report IV.
9. H. *Gohátti* 1856, an den König.
   H. *Assám* 1856, Report III.
10. A. *Såger* 1856, an Humboldt.
   Martins. *Berlin* 1855, an Humboldt.
   Jllaire. *Berlin* 1856, an Humboldt.
11. H. *Símla* 1856, an den König (Original nicht angekommen).
12. A. R. *Símla* 1856, an den König (Original nicht angekommen).
13. H. A. R. *Símla* 1856, Report V, VI, VII (nicht angekommen).
14. H. *Tsomognalarí, Ladák* 1856, an den König.
   R. *Leh, Ladák* 1856, an den König.
   H. R. *Leh, Ladák* 1856, an den König.
   H. R. *Leh, Ladák* 1856, an den König. Resultate.
   R. *Leh, Ladák* 1856, an Humboldt.
   R. *Leh, Ladák* 1856, an Emil Schlagintweit.
   H. R. *Leh, Ladák* 1856, Report VIII.
15. A. *Raulpíndi* 1856, an den König.
   A. *Raulpíndi* 1856, Report IX.
16. R. *Shikárpur* 1857, an Emil Schlagintweit.
   R. *Sĕvan* 1857, an den König.
17. H. *Raulpíndi* 1856, an Humboldt.
   H. *Lahór* 1856, an Humboldt.
18. R. *Bhŭdž*, Report X.
19. H. *Kathmándu* 1857, an den König.
   H. *Kathmándu* 1857, an Humboldt.
20. H. R. *Triest* 1857, an Humboldt.
21. H. (A.) R. *Dublin* 1857, Brit. Ass. — Routenbericht.
22. H. (A.) R. *Paris* 1857, Bericht an die Academie.

Band 44.

Erster Supplementband.

Beobachtungen von Adolph und Hărkíshen von März 1857 bis März 1858.

1. Allgemeine Bemerkungen über Beobachtungen und specielle Instructionen an Hărkíshen von Adolph.
2. Hărkíshen. Topographie (Messung von Thälern und Gletschern.
3. A. u. Hărkishen. Hypsometrische Beobachtungen und Gang des Barometers.
4. A. u. Hărkíshen. Lufttemperaturen.
7. A. u. Hărkíshen. Bodentemperaturen.

Band 45.

Zweiter Supplementband.

Beobachtungen von Adolph und Hărkishen von März 1857 bis März 1858.

1. A. u. Hărkíshen. Quellentemperaturen.
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4. Hărkíshen. Hydrographie: *Pănjáb*-Flüsse: *Chináb*, *Biás*, *Såtlej.*
5. A. Hydrographie kleiner Flüsse.
6. Hărkíshen: Hydrographie kleiner Flüsse.
7. A. Wassermenge von Quellen.
8. Hărkíshen. Wassermenge von Quellen.
9. A. Beobachtungen über Temperaturen und Tiefe von Brunnen.
10. Hărkíshen. Beobachtungen über Temperaturen und Tiefe von Brunnen.

1

Khasiahills [illegible]

Assam Bhootan

H.

Dc 1855) Jan 1856

21. 1.

Temperature water springs.

1855 (April 64)	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	
Dec 26 Dampokree, little river. after Murry dee										94 21.8										
Dec 26 Dek-ia nuddee																				
Dec 26 Dekow nuddee		94 19.0												94 18.2						
D. 27 Tanks near Arany Moozeh								94 21.6												
Dec 27 Goot-nuddee 1 hour distant from Bodulgoree									17.8											
Bodulgoorie, water to the west of it, Gormara Nuddee																				
Dec 29														8A 22.5 (Corr = −0.4)						— — — mud Sand below water 6 in 23.5
30											20.3									
Jan 1		70 19.6									70 24.0			70 23.2						
1856 (April 64)																				

Ojen.

The winter cold of Assam may be traceable as marked in the springs being as much as I think now colder than in Bengal etc

Temp water

5 6 7 8 9 10 11 12 [illegible] 14 15 16 17 18 19 20 21 2
2 3 4 5 6 7 8 9 10

Jan 1. Ard ulgorie
94 Rivers bed of fort 20.1 70 Gorm ara Wet sand 15.7 } on
Wet mud 15.8 } shore

19.6

Jan 3 94 25.0 20.3

4 20.6 ~~25.9~~ 25.9 22.7 ~~14.6~~ 20.6

Jan 3d a well was sunk to total depth 2m 10 Temp. 23,5 94 3 minutes
after water appeared camp Geol.

Gorm ara Nuddie

Jan 5 Bach um 12h50 vergl Bucket.
12h50
17.6 70

Kleiner Bach nach dem Tucker hütte um 1h20 vergl Btt
18.6 70

Gum.

2

Wasser

1856 (April 6th) 6 7 8 9 10 11 12 ~~13~~ ~~14~~ ~~15~~ ~~16~~ 5 6 7 8 9 10
1 2 3 4

June 6 Amerta 2h 35 vergl. Boutel. für die Lungen
-0.4 2h 35
13.6 14.8 70 ~~5h 30~~
13.4

" Dorf Amerta
5h 30
13.4 70 14.2

" 2tes Lager

June 7 Sehr schöne Quellen unter Porphyrfelsen
2 Meilen über 2tes Lager, rechtes Ufer
Expos. : [illegible] 30 [illegible].

a 18.2 } alter um 12h
Greiner
b 18.1 corr. -0.4

Amerta bach corr -0.4
12.8

Og mm

wasser.

1856 (April 64) | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

11.6

Jan 8 bei Lager 3 120 70 ~~11.6~~

Quelle bei Dorflager Bagayawa (vergl. p. 6)

20.8 −0.4 Expos. N.W. rein gut ist aber warm kam aus Granit

Quelle 1h 45. Unterweg [illegible]

1h 45

17.5 −0.4 Expos. West. kleiner Wasserstrahl, 3 Ellen dick

unmittelbar aus Felsenwand kommend

Felsenbach Bargaree

3h 13

13.0 70

4h 40

18.6 Expos. Südwest. Linkes Ufer

nicht stark aus Geröll vielleicht

nicht wahrer Anfang

11.4 −0.4

1856 (April 1864)

Jan 11 from Wurijoon
to Zrinjy

$11^{h}10$ first river in a ditch 10 m deep
very shallow now and slow
$15.8^{-0.4}$
2d river rapid as generally
$11.8^{-0.4}$

220 meters
above Wurijaor

Quelle auf der linken Seite des Baches
Wurij

Jan 13 8^{h} am nord im Schatten
Dorf west. aus Schutt
$19.4^{-0.4}$ scheint sehr gut

Bach bei Wurijdon

Jan 13 9^{h} a m $9.4^{-0.4}$ also 10° kälter
als Quelle hart am Rande

Quelle bei Amerta aus Napelflue,
sehr schönen Ocker absetzend
Jan 15 $11^{h}13$ a m
$22.8^{-0.4}$ Expos NE

Quelle unmittelbar letztem Lager (im [illegible] gehen)
$18.0^{-0.4}$
Jan. 14 1^{h} [illegible] ob variirt

Ogun

Daten.

1856

Jun ~~13~~ 14 Amertajoo, d. h. grosser Wasser.

$12^{h}40$ $12.8^{-0.4}$

Jun 14 bei Bogogaon

Amertajoo $12.3^{-0.4}$

$7^{h}15$ am

Quelle bei Bogogaon (vergl p4)

Jun 13 5^{h} pm

$20.8^{-0.4}$ vergl frühere Best

Jun 20 Erster westl Dhunmiri $11^{h}30$ $18.5^{-0.4}$

Zweiter östl Dhunmiri $12^{h}33$ $17.4^{-0.4}$

20 Pashnee nuddee east of Srang

$2^{h}15$ pm

3^{h} pm $27.3^{-0.4}$

[illegible]

Water

Old (Mora) Borooke, very little water near Teggore Jan 28 $8^{h}10$ a.m

$17.8^{-0.4}$

Water trickling out of the ground, very weak near Mr Hesselmeyers compound
Lopos NE

the best little stream

Jan 28 10^{h} am Lapa N $20.1^{-0.4}$

Two smaller ones, very weak

$17.1^{-0.4}$

$17.8^{-0.4}$

Open

8

Temperature of the water Brahmapoo

1856			0	1	2	3	4	5	6	7	8
~~Jan~~	30	Tezpore to Thom	N70								
	½	to Dhunsiri-mookh									
	31	To 2 miles below Dhunsiri mookh								16.0	16.0
Feb	1	To Tingring ling		70						16.0	16.2
	2	Tingring ling to Salamara				70			15.0	16.1	16.1
	3	Salamara to 5 miles above Dikhomookh				70					
	4	6 miles below Debroo-mookh				70				14.4	14.2
	5	till Debroomookh				70			14.0	14.2	145
	6	Debrooghur. in the station					70				
	7	Debrooghur to 10 m above Dikhomookh					70				
	8	To Dikhomookh and down to Dinagong					88		15.6	15.6	15.6
	9	from Dinagong passed Dhunsiri mookh to						88	16.4	16.4	

Note; The temper Febr 3 2½ pm, 19.0 was not

2. The dayly variation is described
of deep and shallow places in
the daily variation. An example

Brahmapootra could be given
of water depth and temperature

Tezpore to Debroaghur

9	10	11	N	1	2	3	4	5	6	7	8	9	10	11
			16.2		16.4									
							16.2							
	15.4													
							15.8	15.8	15.6					
	15.8													
	15.2				15.6	15.4	15.4	15.3						
14.5		14.6			$\boxed{19.0}$		15.0	15.0						
		145	14.8	14.3	14.3		14.6	14.2						
14.6														
					16.3	-			16.2					
15.8	15.8	15.9			16.4	16.2	16.2							
16.4														

Note ~~the~~ One table
to be constructed
showing the simul-
taneous temperature
and ~~the~~ another
showing the annual
variations in different
parts of the river
from Sadiya down.

in the Brahmaputra, but in the Diho
by the influence of the ascension
the temperature, which exceeds much
of isothermal lines for a part of the
compare Doves isoterms.) showing the connexion

Brahmapootra [illegible]
von Debrooghur bis
Calcutta.
bis zur [illegible] Sept.
1858

Month of November 1856 Gauhatty Temperature of the Water

6 A.m | 10 A.m | 2 P.m | 6 P.m

Month of November 1858 Gawhatty Temperature of the Water

			6½ Am						10 Am						2 Pm						6 Pm						
Day	Date	Place	Temp of the bar and water	Temp of the D	Wet Sand	Dry Sand	Capsf. Tank	Tank	Barm	D	W Sand	D Sand	C Tank	Tank	Barm	D	W Sand	D Sand	C Tank	Tank	Barm	D	W Sand	D Sand	C Tank	Tank	
	Nov 20	Gawhatty	"	"	57.2	57.9	"	"	"	"	64.6	75.6	"	"	21.8	24.6	27.8 74.5	29.6	=84.9	"	21.0	22.6	20.6 68.7	20.8	= "	"	20
	Nov 21	Gawhatty	19.0	20.2	14.2	14.6	"	"	19.8	21.6	18.3	24.4	"	"	20.4	23.2	24.8 76.3	31.2	=87.8	"	20.0	22.8	19.8 67.3	20.8	=69.1	"	21
	Nov 22	D	19.2	20.4	14.8 58.3	14.7 57.0	"	"	20.0	21.8	20.8 69.1	22.2	=71.6	"	21.2	23.6	26.0 78.4	31.0	=87.4	"	20.8	22.2	21.6 70.5	23.0	73.0	"	22
	Nov 23	D	19.4	20.2	15.0 58.6	14.2 57.2	"	"	20.0	22.0	21.0 71.2	23.6	=74.1	"	21.6	23.6	27.2 80.6	32.8 90.7	26.2	25.4	20.6	22.2	21.6 70.5	24.0	25.1	24.1	23
	Nov 24	D	22.0	29.3	14.8 58.3	13.6 56.1	22.1	21.4	19.8	21.4	21.0	21.8 70.9	22.6	22.8	21.8	24.6	26.0 78.4	31.0 87.4	20.8	25.1	21.6	22.6	21.6 70.5	23.0 74.8	24.4	22.6	24
	Nov 25	D	19.0	19.8	15.2 59.0	14.4 57.6	22.1	21.2	20.2	21.2	22.0 71.2	23.2 73.4	23.0	23.4	20.8	22.8	27.0 80.2	30.0 85.6	25.0	24.8	"	"	20.0 68.7	22.4 72.0	24.0	22.6	25
	Nov 26	D	19.2	17.8	14.2 57.5	14.4 57.5	22.0	21.0	20.0	21.0	15.8 60.1	16.6 61.5	20.0	22.4	20.8	23.1	25.8 78.1	27.8 81.7	25.0	25.6	20.6	22.2	21.0 69.4	23.6	24.4	22.2	26
	Nov 27	D	19.2	19.4	16.6 61.5	15.8 60.1	22.0	21.2	20.2	21.6	21.4 70.2	24.9 74.8	22.8	23.6	23.0	24.0	26.4 79.2	30.8 87.1	25.2	26.0	20.4	28.0			"	"	27
	Nov 28	D	19.0	29.2	17.6 63.3	17.0 62.2	22.2	24.8	20.0	22.3	21.8 70.9	25.0 76.6	23.0	23.6	21.0	23.8	26.8 80.0	31.0 87.4	25.6	25.4	"	"	21.2 68.8	23.4 73.8 74.1	25.2	24.4	28
	Nov 29	D	19.1	20.2	16.2 69.8	13.4 55.8	22.0	21.6	20.2	22.4	21.4	25.1	22.6	22.6	21.8	26.4	27.8	32.0	26.0	25.6	22.4	24.0	23.0	24.0	25.2	24.4	29
	Nov 30	D	19.0	20.1	15.6 59.7	17.4 63.0	22.0	21.8	"	"	70.2 "	76.8 "	"	"	20.6	23.2	81.7	89.2			20.3	22.4	73.0	74.8			30
	Decr 1st	Do	19.4	20.2	15.5 58.8	17.7 62.4	21.8	22.0			59.4	60.8	.	"	20.8	22.8	22.2 68.0	30.6 86.7	24.6	25.2	20.2	21.6	20.2 68.0	23.8 74.5	23.8	24.0	1
	Decr 3	Do	18.8	21.0	14.4 57.6	14.0 56.8	21.0	21.4	19.2	20.4	15.4	16.2	23.0	23.4	20.0	23.2	20.0 67.6	30.2 86.0	24.5	25.0	20.2	26.2	20.8	22.6 72.3	23.0	23.2	3
	Decr 4	Do	19.0	20.2	15.4 59.4	17.0 62.2	23.4	23.0	19.6	20.0	17.8 63.4	19.8 67.3	21.8	21.6	"	"	79.2	84.9	"	"	"	"	69.1	73.8	"	"	4
	Decr 5	Do	18.4	17.4	16.6 61.5	15.0 58.6	20.4	21.1	19.0	19.6	16.6	16.2	21.4	21.2	20.0	21.8	29.4	29.6	24.4	25.0	20.1	20.8	20.3	23.4	22.0	24.0	5
	Decr 6	Do	18.6	18.8	16.4 61.2	15.0 58.5	"	"	"	"	61.5 "	60.8 "	"		"	"	"	"			"	"	68.2 "	"			6
	Decr 7	Do	18.2	18.4	61.2	51.8	20.2	21.0	18.4	18.6	61.5	62.2	20.8	20.0	"	"	"	"	"	"	"	"	"	"	"	"	7
	Decr 8	Do	18.2	18.8	16.4	11.2	20.0	19.2	19.0	21.0	16.6	17.0	20.6	20.1	..	..	73.0	86.0	..	..	..	..	68.7	73.2	..	..	8
	Decr 9	Do	18.0	17.2	12.[illegible] 55.4	11.6 52.5	19.8	19.2	18.6	17.5	16.8 61.9	17.8 63.7	20.2	19.6	19.5	20.6	23.0	30.2	23.2	22.8	19.4	19.8	20.6	23.1	22.8	22.0	9
	Decr 10	Do	18.3	17.0	12.2 53.6	11.4 52.2	19.6	19.0	18.4	17.3	16.4 61.2	17.4 63.0	20.2	19.4					~~22.6~~	~~20.0~~	19.2	19.8	18.6 65.1	21.2 70.2	22.6	20.0	10
	Decr 11	Do	18.0	16.8	12.0 53.2	11.2 51.8	19.3	19.0	18.4	19.2	17.8 63.7	18.0 64.0	20.4	19.5	19.6	20.0	21.9 70.9	29.0 83.8	22.2	22.8	19.3	19.2	18.4	21.2	22.0	22.4	11
	Dr 12th	Do	17.8	16.2	13.0 55.0	12.4 54.0	19.4	18.6	18.6	19.0	17.0 62.6	18.4 64.8	20.5	19.6	19.8	20.6	21.0	31.6	22.0	22.8	"	"	64.8	69.8	"	..	12
	Dr 13th	Do	17.4	16.4	12.8	12.4	19.2	18.6	18.4	19.0	17.4 63.0	18.8 65.5	22.4	19.6	"	..	69.4	88.5	"	..	19.1	19.6	19.8 67.3	21.4 70.2	22.4	22.2	13
	Dr 14	Do	"	"	54.7	54.0	..	..	18.1	19.0	17.2 62.6	18.3 64.6	20.0	19.2	19.8	22.0	21.3 70.0	31.4 88.2	24.0	23.6	20.2	20.6	20.1 67.8	22.4 72.0	22.6	21.4	14

Nat 2nd December

Open (and Tank)

Temp water
[illegible]

1855 (April 64)

Dec 7 at 12h 20 p m

little lake, first seen,
left shore of [illegible],

surface ~~20.4 ^{94}~~
21.1 ^{73}

at 4m64 below, laying on ground — 20.4 ^{73} (the same instrument 0.44 in the case 4.62

2h p. — 21.3 ^{94}
same depth. — 19.3 ^{113} [illegible] laying 2 hours in the water

---

Tank near Mr Beecher's house

at 9h a m surface — 20.8 ^{94} (shows that 94 is the [illegible] of the mini-mum temp or very near it

12h 10 p m — 22.3 ~~[illegible]~~ 94
depth 4m95 — 20.8 113

G 1. water from the spring near Col
Jenkins' farm at Gowhatty

12 Temp of the water Feb: 1856 (April 66)

Therm 94	4	5	6	7	8	9	10	11
Febr 10					17.0	17.0	17.4	17.3
Febr 11			17.4	17.4	17.3	17.3	17.4	17.4
Febr 12			17.4	17.4	17.4	17.5	17.6	17.8
Febr 13			~~17.3~~	~~17.3~~		~~17.8~~ 17.6		
Febr 14			17.3	17.3	7	17.8		
Febr 15						18.4		
Febr 16			18.8	18.8	18.7			19.6

Wahrſcheinlich Brahmaputra bei Gohatti Juli 185

N	1	2	3	4	5	6	7	8	9	10	11.	12
					17.0							
17.5				17.4								
				18.0	18.0							
~~18.2~~	~~18.4~~	~~18.4~~	~~18.4~~	~~18.4~~	~~18.4~~	~~18.3~~						
18.2	18.4	18.4	18.4	18.4		18.3						
18.6		18.5	19.0	19.0								
19.6			19.7									

Temp of the water

1856	(April 66)			4	5	6	7	8	9	10	11
Febr	17					19.2	19.2		19.4	19.5	19.5
Febr	18					19.4		19.4	19.6	19.8	
Febr	19					19.5		19.5	19.6	19.8	
Febr	20					20.2	20.2		21.2	21.4	
Febr	21									22.9	23.0
Febr	22					21.8		21.8	21.7	21.6	21.8

N	1	2	3	4	5	6	7	8	9	10	11	[illegible]	[illegible]	[illegible]
19.6	19.6	19.6												
20.0	20.4	20.5	20.8	20.9	20.8									
		20.8	20.9	21.2	21.4	20.8								
22.6	23.0		23.1	23.0										
23.0	22.6	23.0	23.2			22.2								
22.0		24.8		22.6	22.6	22.6								

Ojam.

16

Temp of the Water

1856	(April 66)				4	5	6	7	8	9	10	11
Febr 23						22.0	22.0	21.8	21.8	21.4	21.7	~~21.8~~
Febr 24							21.6	21.6	21.7	21.7		22.2
Febr 25							22.6	22.6	22.7	22.7*		
Febr 26							24.0	24.3	24.2	24.1	24.1	24.0
Febr 27							24.4	24.4	24.6		24.8	24.6

N	1	2	3	4	5	6	7	8	9	10	11		
21.8	21.7	22.2	22.2	22.6	22.8	21.9							
	22.2	22.3	22.4	22.2	22.9	22.8							
24.4	24.0	24.2	24.3	24.4	24.2	24.4							
24.2	24.4	246	24.8	24.8	24.6	24.6							
24.7	25.0	25.1	24.8		24.6	246							

Ojm.

Luftstemperaturer
Húgli

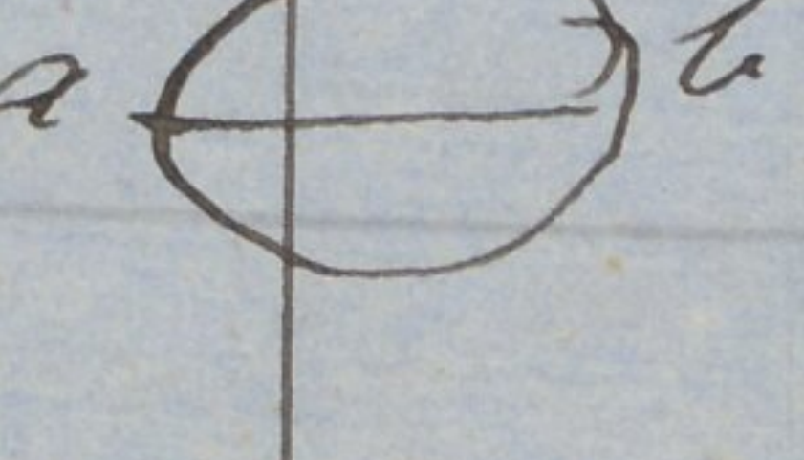
Temperatures of rivers &c.

18

Hoogly ibidem	March 26 1857	$6^{h}30$ am	28.4^{82}	
Hoogly, between Calcutta and Howra	Apr. 1 1855	$2^{h}30$ pm	28.2^{16}	Very stormy during night
pretty low water no difference between shores and centre	April 2	$6^{h}44$ am	27.7^{16}	
Chunny Nadda (on the Map) leaped before Kishnaghur river Mata Bhanga	April 6	$10^{h}50$	28.5^{71}	Has tide of ½ to 1′
Ganges (Ganges) near see Routes.	April 8	$1^{h}28$ am	26.2^{82}	)
near Burgalchee	April 9	$5^{h}45$ a.m	25.9^{71}	This temper. was the same at this early hour in every distance from shore.
Dinagepoor **Well** near Dr Earle's House	April 13	6^{h} am	25.1^{59}	Depth $4^{m}56$
		$2^{h}20$ pm	25.4^{59}	
Rooyah, well near the Bungalow	April 14 9^{h} pm Obs.		23.0^{59}	Depth to the surface of the water $4^{m}62$ Depth of the water $2^{m}02$ Width of the well ab $3^{m}03$.
Rooyah Well 3 miles to the Warth	April 14	$6^{h}30$ pm	23.4	Depth $4^{m}52$
	very little water			

Diese Temperaturen [illegible] p. 19 [illegible] 1 Juli 66

[illegible]



Observations on the Temperature of the River Hooghly.

Wahrscheinlich 1855 (?) April 66 (nach Unten)

	Month	Day	Hour	Temp	Tide High	Tide Low	Remarks and bottles
~~I~~	April	1st	2.10 p.m	28.2 16			
~~2~~	"	2	6.44 p.m	27.7 16			Rain during night
# bottle	"	12	6.40 p.m	28.8			
I	"	13	11.45 a.m	29.3 under 29.5 near the …			
II	"	13.	7 – p.m	27.0 –	- - - -	- - - -	after a storm from S.E.
		24.	6¼ p.m	27,2	—	- -	two cloudy days a thunderstorm on 22 a 23d
	"	29.	9.40 a.m.	28.7.	—		fair day.
	"	"	6.10 p.m	29 –	—		do
	May	6.	11.45 a.m	30.2	—		fair day rather cloudy
	"	6	5.40 p.m	30.2	—		
III	"	13.	12.35 a.m	30,2	—		fine days fresh wind S.E.
	"	13	5.49 p.m	29,8	—		do.
	"	20.	(12).48 p.m	30,7	—		fine day
	"	~~25.~~	~~6.30 a.m~~	~~29,9~~	—		~~very hot day~~
	"	27.	1.12. p.m	31,8	—		great heat no briso
IV	June	10.	1.30 p.m	31,2	—		fresh brise fine weather
V	July	15.	7.27 p.m	29.5	—		fair sky a little cloudy.
VI	Septbr	23d	7.48 a.m	28.3	—		fine cloudless sky.

(Das Jahr ist doch wahrscheinlich 1855; ich schließe dieß aus dem Thermometer No 16; die Beobachtungen scheinen von Baron Schiller zu Calcutta gemacht. Therm. Correctionen siehe p. 20.) April 1866. Das Jahr ist sicher 1855; vergl p. 22 + p 18

Ozean

Thermom. Vergleich.

27.5.^{16} C = 81.6 F = 81.56

n° C = 32 + n. 1.8.

12 April

Small Tank, 6.18. p.m. 29.6^{16}

Larger . 6.54. p. m. 28.4^{16}.

Month	Day	Hour	Temp Rain	Remarks
April	21.	5 1/4 p.m.	25.2.	cold Thunderstorm
May	28.	6 1/4 a.m.	24.8.	heavy Rain during the night & morning

Bottle No. 18 April 155 (soll wahrschl. 13t. April heißen; vergl. p 19

1 11„ 45 a m 29„ 3°

High Water 29„ 5

13 April 155

2 7 P M 27°

After a Dust Storm from S E

13 May 1855

3 12 = 35 a m 30 = 2„ (vergl p. 19)

Fine Day fresh breeze from S E

10 June 1855

4 1 = 30 P M 34„ = 2 (soll wahrscheinlich 31·2 heißen; vergl p. 19)

Fresh Breeze and fine Weath

15 July 155

5 7 = 27 a m 29 = 5

Flood. Sky little cloudy

23 September 155

6 7 = 48 a m 28„ 3

Fair cloudless Sky

Calcutta 3d ~~January~~ November 1855

7 Water taken from the River "Hooghly at ¼ past 5 O clock. a place Armenian Ghaut

Flood tide. / Temperature 24 = " = " air 8 = " = " Water

Calcutta 8 December 155

8 Do Place called Con Nagur at 6 o clock 6 P M

Ebb tide Temperature 21 = 8„ = " air 19 = 8 = " Water

Bottle No. Calcutta 16 December /55

9 Water taken from the River Hughly at ½ past 5 o clock Armenian ghau

Ebb tide Temperature 20="=" Air 16=8=" Water

Calcutta 24 December /55

10 Water taken from the River Hooghly at ¼ Vast 5 Armenian Ghaut

Ebb tide Temperature 18=4=" Air 14=6=" Water

Calcutta 31 December /55

11 Water taken from the River Hooghly at quarter past 5 Armenian Ghaut

Flood tide Temperature 18="=" Air 14=2=" Water

Calcutta 8 January 1856

12 Water taken from the River Hooghly at 5 o clock Do.

6 September /55

Sun tee Voore

River Water

4 Do. 1855

Jug hith Voore

River Goges

3 Do. /55

River Goges

5 Do. /55

Wg gur Deep

Ganges Water

1855 December	Hour	Temperature of water		Temperature of Air		Names of Place
1st	Am 6	18	8	16	8	Calcutta
Do	12	18	8	18	8	Do
Do	Pm 6	20	8	25	4	Do
2nd	Am 6	20	"	23	"	Do
Do	12	22	4	25	6	Do
Do	Pm 6	21	8	23	5	Do
3rd	Am 6	18	8	20	6	Do
Do	12	20	"	24	8	Do
Do	Pm 6	20	8	22	4	Do
4th	Am 6	20	4	22	6	Do
Do	12	19	8	25	4	Do
Do	Pm 6	18	8	22	8	Do
5th	Am 6	15	6	17	4	Do
Do	12	19	6	25	4	Do
Do	Pm 6	17	8	22	6	Do
6th	Am 6	16	0	17	4	Do
Do	12	18	6	25	4	Do
Do	Pm 6	18	8	22	8	Do
7th	Am 6	15	8	16	8	Do
Do	12	17	6	24	8	Do
Do	Pm 6	18	0	21	6	Do
8th	Am 6	14	4	16	8	Do
Do	12	18	2	23	8	Khurdha
Do	Pm 6	19	8	21	8	Cote Nugur
9th	Am 6	14	8	16	"	Calcutta
Do	12	16	8	23	4	Do
Do	Pm 6	16	"	21	6	Do
10th	Am 6	13	6	14	8	Do
Do	12	16	6	22	6	Do
Do	Pm 6	16	"	20	"	Do
11th	Am 6	13	"	14	"	No: 89. Broke accidentally.
Do	12	16	4	23	4	No: 69. Commenced @ 12 AM.
Do	Pm 6	17	8	20	"	Calcutta
12th	Am 6	14	"	15	8	Do
Do	12	16	8	22	4	Do
Do	Pm 6	16	8	20	8	
13th	Am 6	14	0	15	4	
Do	12	17	0	21	4	Baloor
Do	Pm 6	17	"	20	"	Bareckpore
14th	Am 6	14	"	15	"	Calcutta
Do	12	18	"	21	"	
Do	Pm 6	17	4	19	8	

December /55.	Hour.	Temperature of Water.	~~Temperature of Air~~	Temperature of Air.			Names of Place.
15.	A.M. ~~12~~ 7.	14	"	16.	2.		Calcutta
Do.	12.	17.	4.	23	4.		Do.
Do.	P.M. 6.	18.	8.	18.	4.		Do.
16	Am 6	13	8	16	2		
Do.	12pm	17	4	23	"		
Do.	6 pm	18	6	20	"		
17	6	13	8	15	8		
Do	12	18	6	23	4		
Do.	6	17	8	19	"		
18	6am	12	6	13	8		
Do	Mr Montiero being absent						
Do.	6pm	15	6	21	4		
19	6am	12	8	15	2		
Do.	12	19	8	23	"		
Do.	6pm	18	4	21	"		
20	6am	13	8	15	"		
Do.	12	19	8	23	"		
Do	6pm	18	8	22	"		
21	6am	14	8	16	8		
Do	12	19	2	25	"		
Do	6	18	8	22	4		
22	6	15	6	17	"		
Do.	12	14	8	24	8		
Do.	6	18	6	21	4		
23	6	15	6	14	4		
~~Do.~~	12	18	8	20	2		
Do	6	17	6	21	4		
24	6am	17	4	24	2		
Do.	12	19	"	21	4		
Do.	6pm	18	8	20	8		
25	6	18	8	24	8		
Do.	12	20	"	21	6		
Do.	6	19	4	20	8		
26	6	Mr	Montiero	being	sick		
Do	12						
Do	6						
27	6	16	4	14	8		
Do	12	22	8	19	8		
Do	6	20	4	17	"		

December 155	Hour	Temperature of Water		Temperature of Air	
28	6am	14	3	12	8
Do	12	22	6	18	6
Do	6pm	20	4	9	2
29	6am	15	8	13	8
Do	12	24	"	19	4
Do	6pm	21	8	19	6
30	6am	16	8	14	"
Do	12	23	4	15	8
Do	6pm	21	"	19	4
31	6am	16	6	14	8
Do	12	22	8	16	"
Do	6pm	21	"	19	8
		In the year of our Lord			
January			156 January 1		
1	6am	15	6	14	8
Do	12	21	6	18	8
Do	6pm	20	8	18	8
2	6am				
Do	12	Wm Menton Sick			
Do	6pm				
3	6am	14	8	13	6
Do	12	21	8	19	4
Do	6pm	19	6	18	6
4	6am	15	8	13	8
Do	12	24	4	18	6
Do	6pm	19	8	18	8
5	6am	15	4	17	8
Do	12	18	8	24	4
Do	6pm	17	4	21	"
6	6am	15	2	17	6
Do	12	18	4	24	6
Do	6pm	18	"	20	8
7	6am	16	4	19	"
Do	12	19	"	26	4
Do	6pm	18	4	20	8
8	6am	17	"	19	8
Do	12	19	4	26	"
Do	6pm	18	6	21	"

26

January 1856	Hour	Temperature of Water		Temperature of Air	
9th	6am	17	6	20	2
Do	12	19	"	24	8
Do	6pm	18	8	20	8
10	6	16	"	19	8
Do	12	18	"	23	4
Do	6	16	2	22	8
11	6	16	"	20	2
Do	12	18	"	21	4
Do	6	17	"	22	6
12	6	17	4	20	8
Do	12	19	2	23	6
Do	6	18	"	22	8
13	6	18	4	22	"
Do	12	19	8	24	6
Do	6	19	"	23	4
14	6	19	"	22	8
Do	12	19	8	24	6
Do	6	18	6	23	4
15	6	19	8	23	4
Do	12	19	6	24	8
Do	6	18	8	23	8
16	6	18	"	20	4
Do	12	18	2	21	6
Do	6	18	6	20	8
17	6am	15	"	6	8
Do	12	16	4	24	6
Do	6	16.	4	22	"
18	6	14	8	18	8
Do	12	Absent			
Do	6	15	6	22	"
19	Am 6	15	6	16	8
Do	12	20	2	25	4

Note.
March 24
12h 5 p.m
before the
bore 28.3^{69}
immediately after
the first bore
wave 27.8^{69}
(The water being
here (Prinseps
ghat) very shallow
~~made~~ was heated
by insolation
probably more
than the water
in the centre of the
river would have
been. —

mit
Ausnahme
der
„Note"

Calcutta 23rd March 1856 opposit Custom House
1/4 past one Pm 15 Minets after bore come water taken from the botom of River Hugly with sand and all
Bottle No 111

	W		A	
	27	6	32	8

Water from Tank square. Calcutta 26 March 1856
Bottle No 105

Am 8	28	1	27	"

Flusstemperaturen

Adams.

März – Mai bis Sept 12

1856

Temperature of the Hoogly - Journey Calcutta to Oolbarea below Calcutta - December 1857 - see Air -

Date	Place	Time	Temp water	Remarks -
Decr. 14th	Princepi Ghaut	2pm	72-36	
	Seebpore Factory	3pm	72,13	
	Pohdor	4pm	71.82	
Dec 15	Bujbuj	7am	6090	
		8am	70,05	
		9am	70.48	
	Fort Gloster	10am	71.30	
		11am	72-0	
		12	72.70	
		1pm	73-0	
		2pm	72-05	
		3pm	72-30	
		4pm	71.81	
	Oolbarea	5pm	72-07	
Dec 16th	Oolbarea	9am	66.6	In the Khall near Oolbarea.
		10am	71.75	
		11am	71.94	
		12.	71.87	
		1pm	71.9	
		2pm	71.7	

- Rivers - see Route Book -

26B

Damooda river at Raneegunge - 8th May 1857 -
at 5h. 30' pm - Temp of first stream from Raneegunge 33-4 -
2nd stream - 33-0.

Tempre of sand in the sandbank. between the two streams of the Damorda 30.5 -

May 19th 1857 - Temp of the ~~the~~ Brahmini river near Nulhatee 21.1 at 9h. 5' am -

20th May - river near village Abeenuggur at 4h. 15 pm 20.0

May 22nd Temp of the Gambia river 23.3 at 3h. 45' pm -

May 22nd Temp of a tank near Kosonea 25.4 at 5 pm.

May 22nd Temp of Kernee river 23.3 - at 6h. 5' pm.

May 25 Temp of Goomanee river 22.6 at 8h. 10' am.

May 29 Temp of a tank at Neemguchee 35.8 at 5h - 45' pm

May 31 - Temp of a large pool of water on the top of the hill after Choonee Purbut, in the Rajmahal hills - 22.9 at 8½ am

May 31 - Temp of the river Murung at Burio 32.2 at 9h. 45' am

June 2 - Temp of the river Hurhna before Bhaugulpore - 28.1 at 6-20 am -

Observations at the Gogra river ~~at~~

At Revilgunge at the ~~mouth~~ mouth of the Gogra above Patna - August 18th 9am - 30.60 centig

1857 (Report 66)

	10am	31.50
	1pm	31.96
	2h-30' pm	32-00
	4 pm -	31.70
	5pm	31.50
August 19th	7h-30am	30.70
	11 am	31.51
	12	31.80
	1-30pm	31.82
	3-30pm	30.90
	5pm	30.78
	6pm	29.62

Temperature of the Ganges - Monghyr to Patna -

Date	~~The~~ Depth of the river	Time	
July 21		6am	28.73
1857	(April 66)	8am	28.40
		9am	29.62
		10am	28.80
		11am	29.24
		12	29.84
		1pm	29.80
		2pm	29.90
		3pm	29.90
		5pm	30.09
		6pm	30.11
		7h-15pm	29.72
July 22		6h.25am	29.30
	more than 3 fathoms	7am	29.42
		8am	29.37
		11am	29.30
		12	29.39
		1pm	29.36
	2½ fathoms	2pm	28.70
	3 feet	3pm	29.35
	3½ feet	4pm	29.40
	Ikanbors 2 fath	6pm	29.91
July 23		7am	28.50
		8am	28.60
		9h.50'	28.62
	3 ft	11-15	27.97
		12	28.70
	close to R. Bank	1pm	28.29
	2 faths -	2pm	28.08
		5pm	28.61
		6pm	28.80
		~~7-50pm~~	

The steamer left Monghyr 20 July 5h-30' pm anchored at Sibleygullee at 8pm -
21 July started at 4h. 35' am anchored at 8pm Opposite ~~H~~ Heruntea -

22 July started 4h-30 am anchored at Barh - left Barh 10h-14' am. anchored at ~~Bhimi~~ Bhimipore at 7h. 45 pm -
23 ~~July~~ started 5h. 45' am. Patna anchored 7h. 50' pm

Ojm

River water Temp Calcutta

Jou As Soc 1838

Temp of the

Place	Date	am 6	am 7	am 8	am 9	am 10	am 11	pm 12	pm 1	pm 2	pm 3	pm 4
	Decr 1855											
Gawhatty to near kooroova	18th									17-2	17-2	17-2
Near kooroova to	19th	16-6	16-6	16-6	16-5	17-1	17-2					
munguldae to	31st											18-3
~~bhakonee~~ bhakaneto	January 1856 1	14-8	15-1	15-3	"	16-2	16-4	16-2	17-5	17-1	17-6	17-5
~~sootea~~ sootea to Roatah	2d	15-2	15-2	15-4	15-8		158	15-8	17-4	16-6	16-6	16-6 11-2 meter Depth
	3d	16-4	16-4	16-2	16-5	16-2	19-9	1-7-2	16-2	16-2	16-2	16-2
Tezpoar	4th	030 151	030 152	030 152	030 152	09-2 16-2	1-8-0 15-8	04-0 16-2	1-20 16-3	08-9 17-5	072 159	082 16-0
Tezpoar to	13th	140 16-0	140 16-0	140 16-0	140 16-0	143 16-2	3-8-8 16-1	21-0 16-3	453 16-3	3-02 16-4	075 17-3	485 16-4
	14th	503 15,6	503 15-6	503 15-5	503 156	11-9 15-9	6-13 15-9	175 165	134 16-3	15-0 16-4	289 165	123 16-2
Bishnath seeth near	092 15th	092 16-1	092 16-0	092 16-0	092	092 16-3	09-2 16-2	3-25 16-2	4-6-0 16-2	12-8 16-4	2-48 16-4	11-0 16-5
Bishnath to	16th	1-1-2 15-9	1-1-2 15-9	1-1-0 16-0	1-10	1-10 16-0	1-10 16-6	3-2-3 16-5	1-25 16-4	1-5-5 16-5	121 16-5	1-2-5 16-5
	17th	16-2	15-9	15-9	15-9	15-8	3-1-9 16-2	1-5-7 16-2	1-4-0 16-2	1-3-2 16-2	123 162	
~~Bogaleeabaree~~ ~~Settemap~~	18th	11-3 16-2	11-3 16-2	11-3 16-3	12-0 17-2	235 16-0	152 16-5	17-0 17-2	14-0 16-0	136 16-0	136 16-0	07-3 16-2
	~~440~~ 19th	49- 15-2	19-0 158			1-90 15-8	440 159	313 16-0	1-12 16-5	120 158	16-8 158	073 16-2
	20th	08-7 150	08-7 15-0	08-7 15-2	08-7 15-5	08-7 15-9	10-4 15-4	15-5	34-3 156	3-2-7 15-7	6-5-0 15-8	3-5-9 15-8
	21st	1-7-8 15-0	17-8 15-1	1-7-8 15-3	1-78 15-3	17-8 15-4	1-00 16-1	364 16-1	2-2-4 16-0	3-6-6 16-3	18-9 16-1	3-8-9 159
	22d	1-05 14-5	105 14-7	105 150	105 15-6	105 15-6	132 16-7	108 162	1-2-6 169	324 157	2-36 17-1	138 15-0
	23rd	075 15-4	075 15-4	075 15-2	068 155	305 15-4	1-99 15-6	302 15-4	239 15-4	425 155	32-2 15-4	395 15-8
Boroova hatt	24th	9305 15,8	905 15-7	305 15-7	131 15-4	115 15-0	115 15-7	1'15 15-6	226. 15-5	126 15-5	339 15-8	12-0 15-2
Boroova hatt to	25th	1-" 14-8	1-" 14-8	~~1-"~~ ~~15-0~~	~~1-"~~ ~~15-1~~	1-" 15-0	1-" 151	279 150	364 15-1	51-0 15-3	31-2 15-3	341 15-6
	26th	172 150	254 150	137 14-6	1-1-1 14-6	1-1-1 14-8	1-1-1 15-0	4-12 15-0	152	47-4 15-4		
	27th	140 150	14-0 15-0	1-40 15-3	14-0 15-2	15-2 15-0	125 14-9	252 14-9	38-0 15-0	31-9 15-5	192 15-3	040 15-2
Jurahatt	28th	1-45 15-7	145 15-7	145 14-5	14-5 14-8	5-16 14-9	15-8	1-9-0 158	1-9-0 15-5	20-4 15-5	2-8-9 15-2	15-4
Jurahatt to	29th	1-20 15-0	15-5	15-1	15-1	15-2	15-8	16-0	15-9	16-0	16-0	16-1
	30th	15-0	15-0	15-2	15-2	15-6	085 17-9	17-5	17-6	17-6	17-5	15-2
Salmarah	31st	15-1	15-1	15-1	15-1	14-9	14-8	14-9	15-3	15-2	14-9	14-5
salmara to Detkhawmdale	1st February	146	14-9	14-8	14-6	14-7	14-6	14-7	19-2	18-8		
Do	2nd	17-2	178	17-8	170	16-6	16-7	17-2	17-2	17-2	17-2	17-2
Do	3d	17-8	17-8	17-8	17-8							

Water

die unter d. Temp. stehenden Zahlen bezeichnen wohl die Tiefe des Wassers (Juli 66)

28

pm	pm	pm	pm	pm	pm	pm	pm	am	am	am	am	am	
5	6	7	8	9	10	11	12	1	2	3	4	5	
16-9			16-8										2nd Janavay 56 12-43 pm Temp of the Dhansere 12/21-4 D° 4-40 pm Temp of Rvatah river 14-0
18-2	18-1												
16-4	14-9												
19-2	18-5	18-0	17-8	16-2	16-4								
16-2	16-2												
50-3 16-3	503 16-0	50-3 16-2	503 16-2	×503 16-2	503 16-1								13th Janry – 8 pm Temp of – Dhunsere 16-0 –
1-" " 17-0	6-00 170	09-2 17-1	092 169	092 165	092 168								
1-1-0	1-10 16-4	1-1-0 16-3	1-1-0 16-2	1-1-0 162	1-1-0 16-2								
16-5	16-5	16-4	16-3	16-3	16-2								
11-3 16-9	113 16-7	113 17-0	11-2 16-8	112 168	112 16-2								
16-2	140 16-2	140 16-2	140 16-2	140 16-2	140 16-1								
093 16-0	039 16-0												
1-7-8 15-8	1-7-5 15-8	1-7-8 15-7	1-7-8 15-7	1-7-8 15-7	1-7-8 15-7								
3-29 15-8													
12-9 15-9	075 15-6	075 15-5	075 15-5	075 158	075 15-6								
305 155	305 15-6	305 155	305 15-6	305 155	305 155								
1-44 15-1							Date 24						
17-2 15-8	172 15-9	172 15-7	172 155	172 155	172 15-5		25						
1-85 15-7	15-6	15-5	15-5	15-6	15-4		26						
299 150							27						
15-0	14-9						28						
16-1	17-0	16-9	~~16-7~~	~~16-7~~	~~16-6~~		29						
1-7-0 15-0	15-0	~~15-1~~	~~15-1~~	~~15-1~~	14-9								
14-5*	14-7	14-5	14-5	14-8	14-6	14-5	14-7	14-5	14-3	14-9	14-7	14-5	8¾ pm Temp of the rain Water 17-1
17-2	17-1	17-2	17-2	17-2	17-2								

Burrampooter River

Geo Thermometer

			Geother	Surf		meters
Jan.y 31.	1856.	10h.30' am –	14.8,	14.8 }	depth	4.41
Febry 9th	"	10 am	14.4,	14.6. }	"	1.64

24

Temprature of the

	Place	6am	7	8	9	10	11	N	1pm	2	3	4
Fber 10th	seeb sawgar Tank	17-2	17-3	17-3	18-5	18-5	18-6	22-6	23-2	22-3	22-0	21-5
11	seeb sawgar	17-1	17-1	17-2	17-2	18-5	18-5	18-5	21-5	21-5	21-5	205
12	seeb sawgar	17-3	17-5	17-5	17-9	17-9				201	20-1	19-6
13	seeb sawgar	16-5	16-5	17-2	17-2	18-9	17-5	17-5	17-5	18-8	18-8	18-8
14	seeb sawgar	17-5	17-5	17-5	18-8	18-8	18-8	18-7				
15th	seeb sawgar	17-8	17-8	17-8	17-8	17-9						
20	Dekhawmookh											
21	Dekhawmookh to									×Barhampor		
										11-6	1-3-2	1-3-2
22d		17-4	17-4	18-2	18-2	18-2	18-6			18-5	18-3	18-0
		20-1				15-3	13-0	2-31	2-52	31-1	323	1-8-7
23d		16-2	16-2			17-5	17-3	17-5	17-7	19-2	18-7	23-2
					31-1	1-30	31-3	~~31-3~~	15-0	222	1-34	2-48
24	Boredehing	16-4	15-9	16-5	17-3	17-5	17-6	21-3	20-2	18-6	18-2	18-2
						31-2	331	321	251	Boredehing		
25		17-0	17-2	17-3	17-5	17-8	18-7	21-3	20-4	22-3	22-4	22-3
26		20-8	20-9	21-2	21-8	21-7	22-1	231	22-6	23-3	23-2	23-0
						223						
27		21-8	21-8	220	22-1	22-1	22-4	22-5	22-8	22-5	22-8	22-8
28		20-6	20-6	20-6	20-6	20-6	21-3	21-8	22-1	221	22-1	21-1
29th		19-2	20-2	20-7	21-9							
						07-6	1.00	12-2	19-2	123	11-2	1-2-3
march 1	Boredehing to Jypoor	19-7	19-9	18-1		21-4	22-2	22-3	22-8	233	22-9	23-2
		21-4				15-4	1-03					
2d		21-4	21-4	21-6	21-3	21-1	21-3	22-1	22-1	234	23-0	22-7
3d		18-9	19-6	20-6	22-1	23-0	23-5	24-5	250	25-0	24-1	22-6
							032	052	088	057	095	1-13
		20-0	20-2	20-2	20-9	21-6	21-4	20-6	20-5	20-7	20-5	20-4
4th												
		18-4	18-5	18-5	19-8	20-0	201	20-2	20-0	201	202	20-1
5th					11-3	0-93	2-50	2-43	24-1	150	222	123
		18-5	18-5	18-6	18-9	19-6	201	208	209	208	21-9	21-5
6th						321	341	23-1	279	288	1-5-9	
		18-4	18-7	19-3	20-9	204	21-2	22-3	22-8	245	23-8	238
7th	Jypoore	182	18-4	19-3	2					234	230	

Watter

5	6	7	8	9	10	11	N	1am	2	3	4	5
18-3	18-3											
19-3	19-3											
19-5	19-2											
18-7	18-5											
ler River												
20-1 18-0	17-8	17-8	17-6	17-6	17-3							
18-5	18-4	18-4	18-2	18-0	18-0							
355 18-3	18-5	18-5	18-4	18-4	18-4							
22-3												
22-5	22-5	22-4	22-1	22-1	22-0							
22-7												
22-0	21-9	21-9	21-9	21-4	21-3							
	22-5	22-4	21-7	20-1	20-1							
467	053											
23-1	23-1											
22-7	22-6	20-8	20-6	19-8	20-1							
22-3	21-5	21-0	20-5	20-5	20-2							
20-3	19-8	Temp after rain			18-5							
19-8	19-8	19-7	19-7	16-8	16-5							
20-2	20-0	20-8	20-6	20-6	20-3							
23-4	22-3											
22-8	22-5	21-8	22-6	22-6-								

21-4 Febervary
11 am temp of the sea sa reves 21-6

1 march - 10 24 am temp of the moaree balma
12 21-6

3d march 4 21 - mn temp of the Zengraey 21-1

Gjun.

– Ozon –

19 March – night $7\frac{1}{2}$

20 " day. 2 – night 10

21. March – day – 5 to 10 am $6\frac{1}{2}$ – day 10 am to 5 pm 4 – night 4

April 15 – day + night together – 7
April 18 – day from 11 am to 7 pm – 3 – night 3 | Weather sunny. no rain
April 19 – day $3\frac{1}{2}$ – night $3\frac{1}{2}$ – ~~sun~~ no rain
April 20 – day and night together 10 – rain
April 21 – day 10 night 9 – rain
April 22 – day + night together – 10 rain
April 23 – day 10 rain
April 24 – day 3 – night 0. no rain
April 25 – day 3 night $\frac{1}{2}$ no rain
April 26 – day $\frac{1}{2}$ night 0 no rain
April 27 – day 1 night 0 no rain
April 28 – day $\frac{1}{2}$ no rain
April 29 day + night 1 no rain
April 20 day 10 rain heavy

Temperature of rivers

Date	Place	M	1	2	3	4	5	6	7	8	9	10	11	N
March 11.	Bor Haut	Petrolleum spring - 10am thermometer surface of petroleum in the hole. 19.5												
~~Mar~~ March 12		~~Th~~ Temperature of the Dysung river in the middle 20.0												
March 13.	Buckloo river Salt well													
March 14	Buckloo river							19.4	19.6	19.6	20' 18.9	19.0	19.1	19.6
	Salt well							16.9	20.3	19.8	19.5	19.7	19.8	19.8
March 15	Buckloo river								17.6	18.2	19.2			
	Salt well								19.0	19.7	19.4			
	~~River after Satiling~~	Phosphagorree river										48 17.3		
March 16.	Teppany river													

Temperature of Petroleum spring into the hole where it comes out at exposed 20.0.

Compare Plan

&c - springs

32

1 2 3 4 5 6 7 8 9 10 11

pressed down in to the bubbling part 19.5. No 82

surface of mud near spring 19.5 No 62

at Bor Haut. at 10.15 am. near the ~~right~~ left shore 20.8

				43 23.4	23.0	22.4	21.8	21.2	21.0
				20.6	20.7	20.5	20.4	20.3	20.2
20.2	20.6	20.8	20.8	20.5	20.0	19.6	19.1	18.8	18.5
20.0	20.0	21.0	21.4	20.0	19.7	19.8	19.6	19.6	19.5

22.6

near Sypore, thermometer put as far as possible

2.18 pm - 19.6 ~~in box~~ & in outside hole

Ozon. mit Ausnahme d. Petroleum springs

depth of water in the Saltwell 9 ft. 8 inches salt water 4 ft below the level of the water of the river Bucklos & 12 ft distant from it –

March 20th 1856. Jypore

Temperature of the water in the ~~well~~ hole ~~a~~ dug at Jypore at 3 pm 24.5

Temperature of the

Date	Place	am 6	7	8	9	10	11	N	pm 1	2	3
May 3d	Zyppoar	6-30am Temp of the rain 22-6									
May 4th	observations of the Zyppoar to makoam	23-4	23-4	23-8	23-8	24-3	24-8	25-8	25-4	24-8	24-8
May 5th		22-5	22-3	22-4	22-4	22-4	24-5	24-5	23-0	23-4	23-4
May 6th		23-1	23-1	23-2	23-2	23-2	23-3 52-3	23-4 3-7-8	23-4 2-45	23-5 1-8-7	23-5 2-5-8
May 7th		22-3	22-3	22-0	22-1	22-6	20-7	20-6	20-5	19-9	19-8
May 8th	makoam	20-2	20-2	20-3							

Watter Mauth of May 1856

4	5	6	7	8	9	10	11	N	am 1	2	3	4	5	
					Baree Dehing 24-2									3d
24-5	24-5	24-3	{2d 1pm Temp of the Tippam Nallah 24-8 2-10-1pm Temp of the spring 23-2 shore in the Baredehing}											4
23-4	23-5	23-4	2d 1pm Temp of the Namchang River 23-4											5
23-4 3-4-5	23-4 4-1-8	23-4 0-2-2	1-10 1pm Temp of the Jung Law Nallah 23-2											6
20-2	20-2	20-1	10 10 am Temp of the Bavay river 22-6											7

Ojmm

For stations compare
Plan.

Adams
Sit

Temperature

Date	Place	6	7	8	9	10	11	12
May 22								
May 23			23.0					
				23.1				
					23.0			
						22,8		
							22,5	
								22.5
May 24							21.1	
								21.4
May 25						20.6		
							21.7	
								22,8
May 26							25.4	
								26,0

of the water

	1	2	3	4	5	6	
12	24.8						depth of water .86 meters
		26.0					depth of water .83 meters
			26,0				depth of water 1.72 meters
				26.0			depth of water 0.45 meters
					25,9		depth of water 0.43 meters
						25,8	depth of water 0,43 meters
							depth of water 0,43 meters
							depth of water 0,43 meters
							depth of water 0,43 meters
							depth of water 0,98 meters
							depth of water 0.43 meters
							depth of water 0.45 meters
2.5	22.4						depth of water 1,16 meters
		23.6					depth of water 0,20 meters
			23.6				depth of water 0.20 meters
						23,0	depth of water 0.20 meters
							depth of water 0.40 meters
							depth of water 0,68 meters
21.4	21.4						depth of water 0.30 meters
		23.3					depth of water 0.32 meters
			21.9				depth of water 0.83 meters
				21.6			depth of water 0.30 meters
						21.3	depth of water 0,30 meters
							depth of water 0,93 meters
							depth of water 1,21 meters
							depth of water 1,21 meters
22.8	24.6						depth of water 1,06 meters
		25,3					depth of water 1,57 meters
				25,5			depth of water 2,01 meters
					25,8		depth of water 2.01 meters
						25,8	depth of water 2.01 meters
							depth of water 2,06 meters
		June.					depth of water 2,00 meters
26.0	28.5						depth of water 0.55 meters
				30,4			depth of water 0,55 meters

Temperature

Date	Place	6	7	8	9	10	11	N
May 26								
May 27							27.8	
								28.3
May 28								
				27,8				
					28,1			
						27,8		
							28.1	
				Burrampooter {				18,5

May 18 Temperature of the river Nam Deerah

Temperature of the Burrampooter

Noh Dihing at 10.50 am 18,6 depth 2.73 meter

Of the water — Noh Debing

1	2	3	4	5	6	
					29.7	depth of water 0.55 meters
						depth of water 0.20 meters
						depth of water 0.20 meters
29.8						depth of water 0,20 meters
	31.1					depth of water 0.60 meters
		31.9				depth of water 0.53 meters
			32.1			depth of water 0.68 meters
				32.1		depth of water 1.36 meters
					31.6	depth of water 0.91 meters
						depth of water 1.34 meters
						depth of water 0.83 meters
						depth of water 1.11 meters
						depth of water 1.61 meters
20.2						depth of water 4.55 meters

at 9.15 am 25.1 depth 0.91 meters
just before the junction with the

Ogm

Wanes
Ads

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Temperature

Vngl Indian Atlas sheet 124

Date	Place	6	7	8	9	10	11	12
Aug 10th	Gowhatty							
	Canamokh							
	Sealkoozee							
	Herapara							
Aug 11th	Herapara	24.8						
	1h after Herapara		24.0					
	Bohoree			24.4				
	Dooramaree				24.2			
	1h after Polasdaree					24.4		
	~~30' before Poemara~~						~~24.6~~	
	30' after Poemara						24.6	~~25.5~~
	Topamaree							25.2
	Naghurbera							
	Simleetoola							
	Phooleemaree							
	1h after Phooleemaree							
	2hs after Phooleemaree							
	Gowalpara							
Aug 17-	Gowalpara	25.2						
	30' before Saleepara		25.4					
	30' before ~~Poomaree~~ Rackwalltoppee			24.8				
	~~30' before Rackwalltoppee~~							
	Beeseemaree				25.3			
	Sonamara					25.8		
	Hurreechanga						25.9	
	Bangmaree							26.4
	Doobree							
	Chunder Chor							
	1h after Chunder Chor							
	Sookshoor							
	15' after ~~Hh.~~ Kookradanga							

of the water

Thermometer No 82

1	2	3	4	5	6	7	8	9	10	11
		25.3								
			25.0							
				25.3						
					24.8					
~~25.2~~										
24.9	~~24.9~~									
	25.6	~~25.6~~								
			~~25.3~~							
		25.3	~~24.8~~							
				~~24.8~~						
			24.8	~~25.2~~						
				25.2	~~25.2~~					
					25.3	~~25.5~~				
26.2										
	26.5							6pm		
		26.8								
			26.2							
				25.3	— 6pm. Naptairchor				25.6	

Temperature of the

Date	Place	6	7	8	9	10	11	N
Aug 18	Naptairchor	25,2						
	Kakuchor.		25,4					
	Cilerchor			24.8				
	50' ~~afte bef~~ after Chilmaree				25,3			
	Baymara Chor					25.8		
	15' before Hateebanda						25,9	
	Mun deer gunge							26.4
	Balachor							
	15' after Sharmara							
	Deewangunge							
	Kashoor Chor							
	Neheqnor							
	Lap tār Chor							
Aug 19	Laptārchor	25,2						
	30' before Bolishor		25,3					
	Comirachor			26.2				
	Kolasbada				26.4			
	Choubra					24.2		
	Roshitpoor						26.6	
	Susterampoor.							26.8
	Shorshee Kamikya baree							
	Chorgillea							
	Horreepoor							
	Shigorea							
	Opposite Sonakateer							
	Gowalpattan							
Aug 20	Gowalbattan	26,4						
	Cumrabaree		26.3					
	Bareepolāl					26.4		
	Barzah						26.6	
	Chundurgasee							25.6
	Zholpara							
	Rammal							
	Hashil							
	Hashil							
	Hashil							

water.

Thermometer No 82

	1	2	3	4	5	6	7	
26.4	26.2							
		26.5						
			26.8					
				26.2				
					25.3			
						26.8		
26.8	26.4							
	~~26.4~~	26.4						
		~~26.4~~	26.3					
			~~26.3~~	25.3				
				~~25.3~~	26.6			
						25.3		
25.6	25.3							
		25.8						
			29.4					Jheel
					27.6			Jheel
						27.5		Jheel

Burrampooter River

Jenni River

Gummonak River

Ofmm.

Temperature of the

Date	Place	6	7	8	9	10	11	12
Aug 21	Hashil							29.4
Aug 22nd	Hashil	27.4						
	Hashil		27.3					
	Shia Shumlah			28.5				
	Seraj gunge				27.8			
	Seraj gunge					25.3		
	Serajgunge						26.5	
	Seraj gunge							26.8
	Shidabage							
	Balkoosee							
	Opposite Doshika							
	Portal							
	Shagirpara							
	Pessoota Jareabaree							
Aug 23	Pessoota Jareabaree	26.6						
	Nijana		~~25.4~~	25.4				
	Caugmarry				26.4			
	Caugmarry					26.6		
	Raipara						26.6	
	Chenakolla							25.4
	Hor Gow							
	Charpara							
	Abathpoor							
	opposite Gonapara							
	Opposite Gonapara							
	opposite Gonapara							
Aug 24	opposite Gonapara	25.4						
	" "		26.5					
	" "			26.6				
	" "				25.8			
	Jamkoondoo					26.4		
	Narugow						26.6	
	Gowree							26.6
	10 before Gungasagore							
	Kowree Kowerea							
	Bangola							
	Moonsheekollee							
	Manickgunge							
	Manickgunge							

water Thermometer No 82

1	2	3	4	5	6	
29.4	30.0	30.0	30.2	30.5	30.6	Jheel ~~Jheel~~ water Jummoonah
26.6	26.8	26.4	27.4	26.8	25.6	
						Caugmarry River
26.6	25.3	24.4	26.4	25.3	25.4	Ellongjonnee River ~~Nor~~ Munakallee Nakhara Khall Ellongjonnee
26.6	26.8	26.8	25.6	26.3	25.5	Jubni Jmm

Passer

AdS

Temperature of the

Date	Place	6	7	8	9	10	11	12
25th Augt	Manickgunge	25.4						
	Manick gunge		26.4					
	Manickgunge			26.4				
	Boyra				26.5			
	Enathpoor					26.5		
	Hajoppoor						26.8	
	Islondor							26.8
	Bana							
	Fulbarea							
	Fulbarea							
26th Aug-	Fulbarea	26.8						
	Fulbarea		26.6					
	Borra-aloo			26.6				
	Urcekolla				26.8			
	Bureakolla					26.8		
	Masheerkada						26.8	
	Sekindra							26.6
	Zingera							
	Dacca							
29. Aug-	Zingera							
	aleenuggur							
	~~Trepina~~ Sekendra							
30 Aug	Purabattala			29.0				
	Meerpoor				29.0			
	Ponda					29.8		
	Dulna							28.9
	Punnam							
	Jomon Kost							
	Shingile							
	Boyra							
	Palura							
31 Aug	Moonshee Kollee						29.0	29.4
Sept 1	Rottonpoor.							31.2.
	Kajolee							
	Argorge							
	Opposite Krishnamoora							
	Opposite Kowree							
	Chokparo							

water Therm. No 82

1	2	3	4	5	6	
						Jubni
26.6						
	26.5					
		26.5	25.6	25.6	25.5	Dullassery
						~~Boree Gunga~~
26.6						
	26.6					
			29.5			
				29.6		
					29.5	Boree Gunga
						Theel
						Theel
						Theel
						Dullassery
28.8						
	28.8					
		28.4				
			28.6			
				28.5		
29.6		29.5		29.4		
						Jubni
30.8						
	29.0					
		29.2				
			29.0			
					15' 28.7	—
						Ojum

No A1

Mungalium - 20, Mobphat - Mooi

2 Jullyngdape - 13 " "

3 U somon - 15

4. U soolow - 20,2 " "

5 U jerteng - 14

6 U soplang - 18 " "

Temperature of the

			0	1	2	3	4	5	6	7	8	9
Sept 1 ~~Aug 31~~	1h before Motemaree								29.6			
	Motemaree									29.6		
	10' before Mchabaree										29.6	
	10' after Perule											29.
	9' before Passuk											
	20 after Kumaneepara											
	Gulunga											
	Wolua											
	Aragow											
	Donaspa											
	Belaoree											
	Mabluggur											
	Kaleegow											
Sept 2nd	Nunagunge								29.8			
	Junction of Burrul river									30.2		
	Mdaree										30.0	
	Putter Kutta											30.
	Fulleepoor											
	Kureepoor											
	Sunara											
	30' after Gungoulee											
	30' before Ramara											
	25' before Lall Chamra											
	~~Junction of Jumoonah river~~											
	Junction of Jumoonah river											
	1h after Jumoonah river											
	Dashua											
Sept ~~Aug~~ 2nd		Nunagunge							30.8			
	35' before Belaspoor	junction of Burrul river								31.0		
	25 after Belaspoor	Mdaree									30.2	
	1.25 after Do	Putter Kutta										29.
	2.25 Do Do	Fulleepoor										
	Gerousa	Kureepoor										
	1h after Do	Sunara										
	2h Do Do	30' after Gungoulea										
	3h Do Do	30' before ~~Lall Chumra~~ Ramara										
	20' before Bulleapoora	25' before ~~Lall Chumra~~ ~~junction of Jumoonah river~~										
	40' after Do	~~1h after~~ Do Junction of Jumoonah										
	1h.40 Do. Do	1h after Do										
	2.40 Do. Do	Dashua village										

No [illegible] took this day
[illegible]

Those whose depth ~~are not~~

Water

9 10 11 N 1 2 3 4 5 6 7 8 9 10 11

29 29.6
29.8
29.8
29.9 depth 4.95 metres
30.1 bottle filled Ch No c
30.0 more than 6 metres
30.2 Do
30.0 Do
30.0 Do
30.0 Do

30 30.2
30.2
30.4
30.4
30.6
30.0
~~29.0~~ 31.0
31.0 ~~bottle filled Ch No c~~
31.4
30.6

30 29.0
29.0
29.0
27.8
27.4
27.4
27.4 7.25 metres
27.4 bottle filled Ch No XC
27.5
27.6

Ozmm.

written; are more than 6 metres

47

Temperature of the

Date	Place	6	7	8	9	10	11	N
Sept 7th "	Nattore	29.5						
	Nattore		29.6					
	Tibirea			29.6				
	Shingador				30.7			
	Champoor					29.7		
	Notabaree						29.9	
	Saidparah							30.0
	Hass-himpoor							
	Dustanabaze							
	Kaprea							
	Pikepara							
	Peergachea ~~Julapara~~							
	Julapara							
Sept 8	Korundashee	28.7						
	Opposite Jamlabaze			29.6				
	Ramdapoor				29.6			
	Ramdapoor					29.8		
	Bateepara							29.8
	Krishnapoor							
	Jogera							
	Juerea							
	Juerea							
Sept 9th "	Merea	30' 29.8						
	Shordow		29.6					
	Saibnuggur			29.6				
	Joyrampoor				29.8			
	Krishnapoor					29.8		
	Boernara						30.1	
	Gopalpoor							30.3
	Gorumara							
	Goradow							
	Notoon Bazaar							
	Pardea							
	Mooktapoor							
Sept 10	Mooktapoor	30.7						
	Kurrumpoor		30.4					
	Paitkabaree				30.5			
	Rajanuggor					30.4		

Water Thermometer No 82.

1	2	3	4	5	6	
30.0						
	30,1					
		30,3				
			29,8			
				29,8		
					29.9	
30.1						
	~~30,0~~	30.0				
			30.2			
				30.0		
30.9						
		30.7				
			30,7			
				30,7	15'	
					31.8	Theel water

Temperature of the

Date	Place	6	7	8	9	10	11	12
Sept 10	Gobinatpoor						30.4	
	Polaspara							30.7
Sept 11	Hara Khostee	30' 29.8						
	Chunder Ghaut		29.8					
	Sheebpoor			29.8				
	Mialaggor				30.0			
	Beerpoor						30.1	
	Moulcandy							30.1
	Dogachee							
	Sonatollah							
	Kukurea							
	Chunderpoor							
Sept 12	Krishnanuggur Gooaree		30.3					
	Shordenga			30.2				
	Nuddeah				29.9	—	8.50	Bhugga-
	1h before Mirzapore					30.1		
	Mirzapoor						30.1	
	Santipoor							
	Chondra							
	Metabanga							
	Shordenga							

~~Air~~ water Thermometer No. 82

1	2	3	4	5	6
30.3					
	30.2				
		30.4			
				30.6	

ruttee near the junction with the Jellinghee 29.7

1	2	3	4	5	6
	30.4				
		30.6			
			30.4		
					30.8

Ozone

Calcutta bis Sikkim

und Sikkim.

Dry 82 Wet 88 4

Observations on the tem

Day	Place of observation	Remarks on the locality
March 28th	Bugbug 1¼h after leaving Bishops C.	Deep & broad
March 28	Ganges (h) Tulta	Deep & broad
March 28	~~Ganges~~ rther. Baratalad L.h Sundabuns river called. Gen. Curree	Near two sandbanks
March 28	Sattomookee . Sundabans	very broad & deep
March 29	Hurybungga Sundabans	broad
March 29	Anthrobankee Sundaban	very narrow
March 29	Arpungassee just entering Gole Khall, Sundabans	very broad
March 29	Owra steepshah . Sundaban	pretty broad
March 30	Passur – Kolneah	narrow & strong current. Depose forcan
March 30	Attarah Bankee (r)	pretty broad
March 30	Barrashee	broad
March 30	Goora ~~near~~ [illegible]	narrow
March 31	Goora	narrow
March 31	Goora near Nundorat	narrow
March 31	Goora Coomer Colle	[illegible] & deep
March 31	Goorai near Mahanuggur	narrow
April 1	Puddah ~~near Bamon~~cah	near a very large sandbank
April 1	Puddah ~~at~~ near Lallpore	near a Sandbank
April 1	Puddah	broad
April 1.	Puddah Rampore	broad
April 2	Mohunmundo, Godagaree	near a long S. Bank
April 2	Puddah . Neranpoor	near a ~~long~~ sand B
April 2	Ganges	broad
April 2	Ganges	broad
April 3	Ganges Rajmahal	near a ~~broad~~ Sand Bank
April 3	Ganges Rajmahal	a broad
April 3	Ganges Rajmahal	broad
April 3	Ganges Rajmahal	broad
April		

Temp of rivers etc

Place and object		Day	Hour	Temp C.	Remarks
N. Tchintepore river	Tangon-	Saturd April 14.	7^{h} 10 a.m	22.2^{59}	
Pitalyn	Maha-nuda river	Sunday April 15th Abd	$6^{h}30$ am $9^{h}30$ pm $6^{h}10$ pm	20.2^{59} 26.4^{59} 28.2^{59}	

Darjeeling Tonglo

Kuhoil, below Chongtong, western branch	Monday May	7	$2^{h}40$	16.0^{103}	17.8^{103}

Ogmn

Moonthe Gojja

Month of June 1855 Dangla Temp. of the Watter

	6th Am	12 Day	6 Pm		Rain
24th	150	17-4	168		
25th	150	174	166		
26th	14-4	180	184		
27th	138	16-6	104		
28th	14-0	16-0	166		
29th	138	160	17-0	29 Inr	
30	130	176	18-2	30 Inr	
31	13-6	18-2	17-4	1 Mai	
2	130	17-6	200	2	
3	136	166	172	3	
4	140	170	180	4	
5	14-6	18-0	17-6	5	
6	152	180	19-0	6	
7	160	176	17-0	7	
8	148	18-0	182	8	
9	14-0	-18-0	20-6	9	
10	136	175	18-0	10	
11	136	17-0	15-0	11	
12	130	156	17-0	12	
13	14-0	180	15-0	13	
14	134	17-2	-18-0	14	

Springs rivers &c

A little river S of the summit of Phullaot in a little valley exposed to North, Temp. 6.5 No 90. ~~Wed~~
Tuesd 29 1855 (April 66)
~~Wed~~ ~~III~~ May, at 3 p m

June

Calcutta. 9 April. 1857

Temperature of Salt Lake No 1

at 8^h-30	26.3
at 8^h 45 am	26.2

Salt Lake No 2 -

at 7^h-45 am	25.9
8 am	26.0

Fresh water tank. near the Saltwater Lakes
name Baleabugan
9^h.15' am 28.6

Buleaghutta canal
9.30 am 28.2

Springs, rivers &c.

~~Flüsse~~ Rivers.

~~Wed~~ Tues June 12 at 1.10 p m Temp of little river near 3rd station 12.9 No 62

~~Thursday~~ Wed 13 June at 6 Spring half way between summit of little hill and tent Chunder nungee – Temp in two places 7.6 No ^{67} exposition East, another place 7.2 much water

~~Thursday~~ Wed June 13 1st stat Temp of Tank at 3 pm 16.4

1855.)

Tonglo June 15h (6h 5' a m

Tank 13.2

June 16th

Little Rungeet (5h 52 p m 18.8^{62}

Pulhait first river after Chongtong

June 16 11h 20 19.6^{62} } Air 25.3^{62}

River 20.1

Ozmi

Springs Rivers and waters 55

Sic

May 16 Wednesd.

5h 5' pm

little river below brows above it

5h 2' pm, spring in the jungle 4.2°

100' lower

Thd May 17th 9h 30 am

Little brook 22m below the station

Little river 43 metres below the tent 3rd station at 8.30 in the morning Friday 18th Temp. 5.8. No 65

Little spring pretty close to the river but not the origin of it, 6.4. also 8.30

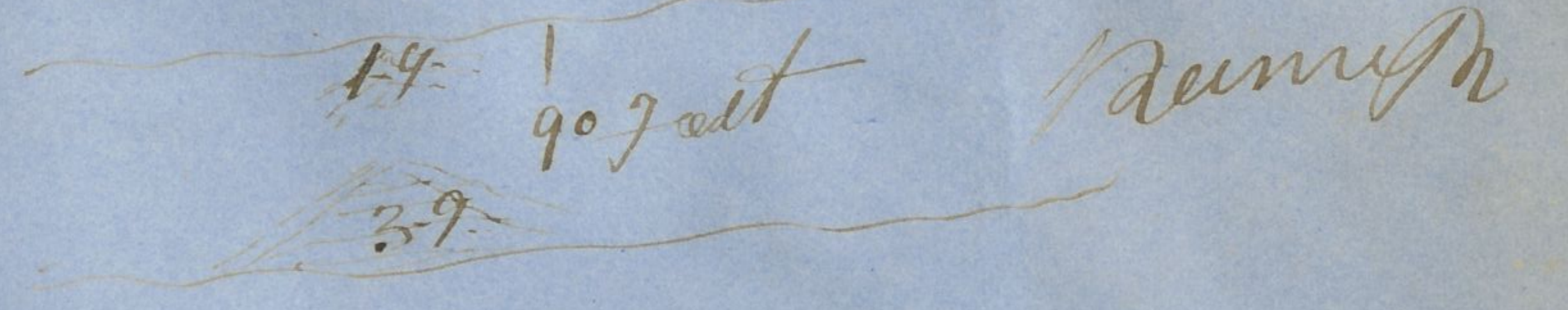
Phullaot

Springs rivers &c 72

Gosah, a little river 200 ft below the limit of trees at 1 o'clock Temp 8.5 No 90, ~~Mon~~ Tuesday 3 ~~4~~ June, 1855

24th May [illegible]

24th May 4.34 pm Temp of the Rungeet water 26.6
Temp of the Raman water 23.9



Rivers.

Temp of the Jamanah river near
Magdoompore – Temp 19.8 at 10h.40 am
—
Dakhar river near Jahama –
at 2.35 pm Temp 20.5
(Beob. wahrsch. gemacht Febr 4, 1857;
+ Magdoompore ist in der Nähe v. Dinapur (April 63)

Temp Rivers
Method

Open

56

Sutlej river

near Tolvenga des ganzen Temperaturbild

unter verschiedenen localen Verhältnisse

1857

May 25

10^h 10 am

bis 10^h 15

Fluss, Wasser im Schatten unter der Brücke 23.5^{82}

Wasser in der Sonne aber Thermometer mit Sand beschattet 23.5^{82}

Sand unter Wasser im Schatten $= 73.2$ 23.1^{82}

Sand unter Wasser in der Sonne $= 74.8$ 24.0^{82}

Trockner Sand, Sonne $= 112.8$ 45.1^{82}

Feuchter Sand, ½ unter dem Trocknen 32.1^{82}

Luft 35.1^{82}

Feucht 18.8^{82}

Ganges bei Benares

9^h 30 pm

18.3

Jan 28,

1857

July 1.

middle one of the 3 rivers, turbid (trüb) 8^h $22°.8^{62}$

clear river 23.6^{62}

Air 25.2^{62}

wet soil (Soil.) in full shade since sun-rise 25.1 (retaining heat of previous day)

two latest stones $34°^{62}$

well protected and shaded wells near copper mines 9^h 22.2^{69}

July 3d Mahanuddy 9^h30 22.4^{69}

3^h45 22.8^{69}

right bound water with the bridge 4^h35 22.9^{69}

Darjeeling – coalmines; on the Railway

Springs, rivers

Sat June 29

River near the 1st chowkee after junction

$12^{h}\,55$ 12.8^{68}

June 29 $2^{h}\,15$

Small spring behind the bungalow

Chuttakpore

branch a 14.7^{68} Expos West
branch b 14.8

June 29 3^{h}

River near the Chuttakpore Bung

14.2^{62}

June 30 $7^{h}\,10$

Spring 100^{m} below Chuttakpore

12.1^{68} River 13.3 × surface water?
+

July 1 Spring near Tent Coppermines

5^{h} m. 19.9^{68} Expos. West

Air 24.1^{90} 23.3^{68}
The spring seemed pretty correct—

5.3 24

Ilman temperaturen

liikkimen [illegible] Kossiaholls
vuonna 1855

Temperature of

Day	Date	Place of Observing	0	1	2	3	4	5	6	7	8	9	~~10~~
Thurs	Aug 16	off Dungdalee (vil)											
		off Taonbarea											
		10m after Congermaree (vil)											
		Bookrebola (vil)											
		12' after Swargee (vil)											
Thur	Aug 18	½ hour ~~after Dadhontee (vil)~~ Bhadoorpore (vil)											
		Bhadoorpore (vil)											
		Bhadoorpore (vil)											
Fri	Aug 17	~~10' after~~ Bhadoorpore							28.0	~~28.0~~	bottle	filled	
		Turkuree (vil)								27.8			
		a little beyond Burkerdauree									27.9		
		40' after Ruperder										10' 27.8	
		Opposite Dunk river											
		little before Bernadungee											
Sun	Aug 19	a little after Cheria								90 28.3			
		8' after Chapoor (vil)									20 28.4		
		Uzjar (vil)										13 28.3	
		at ~~[illegible]~~ Sirsee (vil)											
		25 after Pilchka											
		Maltpara											
		junction of Kunki River											
		5' after Sangra											
		Nowargunge											
		Bergatcheah											
Mon	Aug 20	Bellagunge								~~48~~	28.2	28.0 ~~[illegible]~~	
		10' before Bullea											
		18' before Seharanagnathpore											
		Barsogunge											
		Kudderpore											
		Basargow								bottle	filled	38	
		Kurdar											
		Awardpore											
		Gilath											

the water Mahanuddee

59

Siehe p 62 & 63, welche die Temp. corrigirt enthalten (Juli 66)

10 11 12 1 2 3 4 5 6 7 8 9 10 11

~~79~~ 79
25.8

79
26.6

79
26.9

79
27.1

27.9 at about the middle, 1 metre deep

(depth 3m.20 about $\frac{1}{6}$ part of the bread from the left shore)

28.5

27.8

27.4

D 8, at $\frac{1}{3}$ of the breadth from left shore 2,3 metres

nearly half the bread th from left shore depth 2,02 metres

about the middle 2,43 metres

28.1 about $\frac{1}{3}$ of the breadth from right shore 3,3 metres

280 $\frac{1}{4}$ ——— left ——— 2,52 metres

water in about the middle 1.7 metre

in about the middle. 0.8 metres

about $\frac{1}{5}$ of the breadth from right shore 2.4 metres

24.5
~~28.3~~

21'
28.3

28.7 about the middle 2.6 metres

28.8 about the middle 1.4

28.4 near the ~~left~~ right shore 5 metres

28.6 $\frac{1}{6}$ of the breadth from ~~right~~ left shore 8.7 metres

28.8 about $\frac{1}{3}$ breadth from right shore 7,53 metres

28.5 about the middle 1.98 metres

28.6

28.4 ~~abt 12~~ about $\frac{1}{3}$ from left shore 4.2 metres

28.6 " " right " 4,44 metres

28.3 about $\frac{1}{2}$ 6. metres

28.93 immediately before a large cultivated island

28.8 $\frac{1}{3}$ from (l) shore 6.7 metres

29.0 $\frac{1}{3}$ from r shore 5.54 metres

29.0

Velocity of water near the village Bhadoorpore

Aug 17, 5^{h}.50$'$ am. 32 seconds to 38.1 metres

—

· Water found in Kissengunge. [illegible] 1.35 metres below the surface, according to Hooker, 10 or 12 ft. in May

Temp of the water in the hole near Mr. Perry's house at Beriadanga. 29.2 No 9a depth 1.35 metres

Temperature of the

Day	Date	Place	0	1	2	3	4	5	6	7	8	9
Tues	Aug 21	Dhubuta									20 28.3	
		13' after Dama										
		Tarapore										
		Doomkal										
		Chundunpore				Bottle filled D No 19						
		Jaminpore										
Bellerampore		20' after Muttrapoor										
~~Thurs~~ Wed	Aug 22	25' after Bellerampore							20 28.2			
		Naserpore								28.9		
		2h before ~~Bergatche~~ Gobinpore									29.0	
		Bergatche										29.2
		1h after Bergatche										
		Peergunge			Bottle filled D No 42							
		Cudumtoola										
		English bazaar Malda										
		"										
		"										
		"										
Thurs	Aug 23	17' before Jurabaree									29.8	
		~~Moon~~ Nimoona										30.0
		Nimoora										
		Minooa ~~Naigutyegunghee~~ ~~20 after Muttea~~										
		11' before Jaapoor										
		Hardatola										
		1h after Hardatola										
		2h " "										
		20' before Zebergaree										
		Casabaree										
		"										
	Aug	21' before Kunchintoola							29.8			
Frid	24	Hoogla								30.0		
		13' after Belagee									29.8	
		10' after Jaunpoor										30.0
		11' before Mirzepoor										
		20' before Cureemustapoor										
		22' before Gosabaree										

The water flowing nearly from due N to S. the
water E - W or W - E

water: Siehe p. 62 & 63, welche die Temp. corrigirt enthalten (Juli 66)

10	11	N	1	2	3	4	5	6	7	8	9	10	11	
28.6														
	~~28.9~~	28.9	I 12'											
			28.8	about the middle 4.9 metres										
				28.5										
					5' 28.8									
						28.6 about 1/3 from (a) above								4.6 metres
							28.6							Bellerampore
			about ½ more than ~~ft.~~ 6 metres											
29.2														
		30.3												The turbid as well as the clear water
				30.0										
					31.6									
						33.0								water shallow
							31.0	× 27.0 3						doubtful must be wrong,
				more than 6 metres -										
29.8														
	30.2													
		30.0				more than 6 metres								
			30.0					4.9 metres						
				30.0				4.4						About the middle
					30.0			more than 6 metres						
						30.0			more the 6 metres					
							30.0							
								30.2						
									29.8	5 30.0				mud 3.9 metres below the surface particularly on account of the fine size of the particles
31.0														
	30.2													
		30.0												

daily variation must be a very different one from a

62

Hourly variation of the temperature of

Date	Day	Place	0	1	2	3	4	5	6	7	8	9
Aug 16	Thurs	Tytaleah to Bhadoorpore										
Aug 17	Frid	Bhadoorpore to Beriadengee	27.1	27.1	27.1	27.2	27.3	27.5	27.8	27.6	27.7	27.6
Aug 19	Sun	Beriadangee to Bergatcheah								28.1	28.3	28.2
Aug 20	Mon	Bergatcheah to Gelah	27.9	28.0	27.9	27.9	27.9	27.9	27.9	28.0	28.1	28.2
Aug 21	Tues	Gelah to Bellerampore	28.6	28.6	28.5	28.5	28.4	28.3	28.2	28.2	28.2	28.3
Aug 22	Wed	Bellerampore to Malda	28.0	27.9	27.9	27.9	27.8	27.8	28.0	28.8	28.9	29.1
Aug 23	Thurs	Malda to Casiaharee									29.7	29.9
Aug 24	Fri	Casiaharee to Nabobgunge	29.7	29.7	29.6	29.6	29.5	29.5	29.7	29.9	29.7	29.9
Aug 25	Sat	Nabobgunge to Rampore Bauleah	29.6	29.6	29.6	29.6	29.6	29.7	29.3	29.3	29.5	29.7
Aug 26	Sun	Rampore Bauleah	29.9	29.6	29.8	29.7	29.6	29.7	29.9	30.3	29.5	29.9
Aug 27	Mon	Rampore Bauleah	29.3 ~~29.9~~	29.2 ~~29.9~~	29.0	28.9	28.8	28.7	29.3	29.3	29.5	29.3
Aug 28	Tues	Rampore Bauleah	29.1	29.0	28.9	28.8	28.7	28.6	29.3	29.5	29.3	29.5
Aug 29	Wed	Rampore Bauleah to	29.2	29.2	29.1	29.0	28.9	28.8	29.3	29.5	29.5	29.5
Aug 30	Thurs		29.2	29.1	28.9	28.8	28.6	28.5	28.9	29.3	29.3	29.3
Aug 31	Frid		29.2	29.1	29.1	29.1	29.1	29.3	29.3	29.3	29.3	29.5
Sept 1 ~~Aug 31~~	Sat	? 2h before Motemaree to Kuleeka	29.4	29.3	29.3	29.3	29.2	29.2	29.5	29.5	29.5	29.5
Sept 2	Sun		29.7	29.7	29.6	29.6	29.6	29.5	29.7	30.1	29.9	30.1
Sept 3rd	Mon	1h before Hunnagunge to Dashna	30.4	30.4	30.4	30.3	30.3	30.3	30.7	30.9	30.1	28.9
Sept 4th	Tues	Dashna to ^{h}10' before Pountoula	27.3	27.3	27.2	27.1	27.0	26.9	27.1	27.1	28.7	27.3
Sept 5	Wed	1h before Pountoula to Gungusta	27.5	27.5	27.4	27.4	27.4	27.4	27.8	27.7	27.9	27.9
Sept 6	Thurs	1h after Gungusta	28.4	28.4	28.3	28.3	28.3	28.3	28.5	28.5	27.9	28.0
~~Sept 6~~ Sept 7	Frid	to Dacca	* 28.8	28.7	28.6	28.5	28.4	28.4	28.5	28.5	28.5	28.7
Sept 8	Sat	Dacca	28.6	28.5	28.4	28.3	28.3	28.2	28.3	28.5	27.7	26.3

* ~~[illegible] [illegible]~~ On account of the succession

The variation in the night is more regular

*: rain !! Compare the temperature

the water from Tytalrah to
Thermometers ~~cc~~ Corrected

10	11	N	1	2	3	4	5	6	7	8	9	10	11	Mean	Max	Min
			25.6	26.4	26.7	26.9	27.7	28.3	27.8	27.6	27.4	27.2	27.1		28.8	〃
27.9	27.8														〃	27.0
28.2	28.4	28.6	28.7	28.3	28.6	28.7	28.4	28.2	28.1	28.0	28.0	28.0	27.9		28.8	~~27.9~~
28.5	28.4	28.3	28.5	28.2	28.8	28.7	28.9	28.9-	28.8	28.8	28.7	28.7	28.7	28.43	29.0	27.9
28.5	28.7	28.8	28.3	28.4	28.7	28.5	28.5	28.4	28.3	28.2	28.1	28.0	28.0	28.38	28.9	~~28.2~~ 28.2
29.1																27.9
29.7	30.1	29.9	29.9	29.9	29.9	29.9	29.9	30.1	29.7	29.9	29.9	29.9	29.8		30.1	
30.9?	30.1	29.9	29.9	29.9	29.9	29.9	29.9	30.1	29.7	29.6	29.6	29.6	29.6	29.81	30.9	29.5
29.9 30.1	29.9 30.3	30.1 30.1	29.9 29.7	29.9 29.7	29.9 29.7	30.1 29.7	29.9 29.7	30.1 29.7	30.1 29.6	30.0 29.6	30.0 29.5	29.9 29.4	29.9 29.4	29.73	30.3	29.6 29.4
29.5	29.7	29.7	29.7	29.7	29.8	29.7	29.7	29.5	29.4	29.3	29.3	29.3	29.2	29.37	29.8	28.7
29.3	29.5	29.5	29.5	29.7	29.7	29.7	29.7	29.5	29.4	29.4	29.3	29.3	29.2		29.7	28.6
29.5	29.7	29.7	29.9	29.9	29.9	30.3	29.8	29.9	29.8	29.7	29.6	29.5	29.4		30.3	28.8
29.5	29.7	29.7	29.7	29.5	29.7	29.5	29.5	29.5	29.4	29.4	29.4	29.3	29.2		29.7	28.4
29.5	29.7	29.8	29.9	29.9	29.9	29.9	29.8	29.8	29.7	29.7	29.6	29.5	29.4		29.9	29.1
29.7	29.7	29.8	30.0	29.9	30.1	29.9	29.9	29.9	29.9	29.8	29.8	29.8	29.8		30.1	29.2
30.1	30.3	30.3	30.5	29.9	30.9	30.9	31.3	30.5	30.4	30.4	30.4	30.4	30.4		30.9	29.4
28.9	28.9	X 27.7	27.3	27.3	27.3	27.3	27.4	27.5	27.5	27.5	27.4	27.4	27.3		30.9	27.3
27.5	27.9	27.5	27.5	27.5	27.7	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5		27.9	26.8
27.7	* !! 27.3	28.3	28.3	28.3	28.3	28.4	28.7	28.5	28.5	28.5	28.5	28.4	28.4		28.7	27.3
28.5	28.5	28.2	28.4	28.3	28.6	28.7	29.1	29.3	29.2	29.1	29.1	29.0	28.9		29.3	27.9
28.7	28.9	29.9	30.9	29.2	29.1	29.5	28.9	28.7	28.7	28.7	28.6	28.6	28.6		30.9	28.4
26.8	27.3	26.7	25.9													25.9

of deep + shallow water

because we are not moving
but rain

Rivers

Wed	Aug 15	1st river in going down from Punkabary	7.45am	24.4	No 73,	in the 28.0	said No 73	though wet
	.	Bhettee nuddy near the village of Huddelpore	10am	25.8	No 73			
		Mahanuddy near Silligoree	12	28.2	No 73			
Sun	Aug 12th	1st stream in going down from Punkabary	4,55pm	24.6	No 90			
		2nd stream	5,25pm	25,1	No 90			
		3rd stream	5,58pm	23,6	No 90			very strong
		stream near the						
Mon	13	Huddelpore barracks	5,17am	24,4	No 90			
	~~14~~ 13	"	8,30am	24,2	No 90			
		5th stream	10,18am	26.8	No 90			
		Mahanuddy near Silligoree	4,23pm	26,2	No 90			after rain
Wed	15	Mahanuddy at the Tytahat ghaut	10,30am	26,6	No 90			

Temperature of water

			1h	11	2	3	4	5	6	7	8	9
Fri	Aug 24	7 before Ambaree 53 after Do 1h 53 after Do 2,53 after Do 1h before ~~Rampore Bauleah~~ Nobobgunge ~~Nobobgunge~~ ~~Rampore Bauleah~~										
Sat	Aug 25	~~Do~~ Nobobgunge							29.4 ~~29.4~~	29.4 29.4	29.6 29.6	29.8 29.8
		Rampore Bauleah										
Sun	26	Rampore Bauleah close to shore							30.0 ~~29.0~~ ~~25.2~~	30.4	30 29.6 29.2	30.0
~~Mon~~	~~27~~								29.4	29.4	29.6	29.4
Tues	28 ~~27~~	"							29.4	29.6	29.4	29.6
Wed	29 ~~28~~	"							29.4	29.6	29.6	29.6
	~~30~~	"							~~29.0~~	~~29.4~~	~~29.4~~	29.4

~~No Route Book~~

Vide p 62 & 63, welche d. Temp. vorwiegend enthalten (Juli 66)

10	11	N	1	2	3	4	5	6	7 8	9	10	11
			30.0	~~30.0~~ 30.0	30.0 30.0	30.0	30.0	30.2	29.8			
30.0 30.0	30.0 30.0	30.2 30.2	300 30.0	200 30.0	300 30.0	30.2 30.2	30.0 30.0	near three 30.2				
30.2	30.4	Rain? 30.2	29.8	29.8	29.8	29.8	29.8	29.8				
29.6	29.8	29.8	29.8	29.8	29.9	29.8	29.8	29.6				
29.4	29.6	29.6	29.6	29.8	29.8	29.8	29.8	29.6				
29.6	29.8	29.8	30.1	~~30.0~~	~~30.0~~	~~30.4~~	~~29.9~~	30.0				
~~29.6~~	~~29.8~~	~~29.8~~	~~29.8~~	30.0 ~~29.6~~ [illegible] ~~29.6~~	30.0 ~~29.8~~	30.4 ~~29.6~~	29.9 ~~29.6~~	30.0 ~~29.8~~				

~~Bottle filled at 12. oclock Ch~~ D ~~No~~ 5

NB for curves they read only 1/5 therefore 1/10 may be allowed for errors

Aug 27. Rampore Bauleah

Temp of the water in the hole. 1.5 meters deep _ in one place. 31.2. in another 31.5

Temperature of Water

			0	1	2	3	4	5	6	7	8	9
Frid	Aug 31							29.4	~~29.4~~	~~29.4~~	~~29.4~~	~~29.6~~
									29.4			
										29.4		
											29.4	
												29.6
Thurs	Aug 30	left out.							29.0			
										29.4		
											29.4	
												29.4

Siehe pp 62 & 63, welche die Temper. übrigens enthalten.

10	11	N	1	2	3	4	5	6	7	8	9	10	11
~~29.6~~													
29.6													
	29.8												
		29.9	30.0										
				30.0	bottle filled			Ch	No f				
					300								
29.6													
	29.8	bottle		filled	~~Ch~~	~~No~~		D	No 5				
		29.8	B										
			29.8										
				29.6									
					29.8								
						29.6							
							29.6						

Ofen.

Temperature of the Water

0 1 2 3 4 5 6

Sept 4th ~~1^h.35' before Belalpoor~~
~~Pountoula 35' before Do~~
~~25' after Belalpoor~~
~~20' before Gow Gungoutea~~
~~1.25 after Do~~
~~40 after Gungoutea~~
~~2.25 Do Do~~
~~1.40 after Gungoutea~~
~~Gerouna~~
~~Bowrowrea~~
~~1^h after Gerouna~~
~~Teunnunggur~~
~~2^h after Gerouna~~

1.35' before Belalpoor 27.2
35' before Do Min 26.5
25' after Do
1.25 Do Do
2.25' Do Do
Gerouna
1^h after Gerouna
2^h Do Do
3^h Do Do
20' before Buleapoora
40 after Do
1^h.40 Do Do
2.40. Do. Do

Sept 5 Pountoula 27.9
20' before Gungoutea
40' after Gungoutea
1.40 Do. Do
Bowrowrea
Teunnunggur
1^h after Do
2^h Do. Do
3^h Do Do
~~10~~ 1^h after ~~Do. Do~~ Sunabuttea
15' ~~after~~ before ~~Sunabuttea~~ Rajadugger
45' ~~after~~ ~~before~~ after ~~Raja dugger~~ Rajadugger
~~45 after~~ Gunglusla

Sept 6 28.6

45' before Bulubaree
15' after Bulubaree

Sept 7 50' before Dobcha 28.6
10 after Dobcha

Siehe p 62 & 63, welche d. Temp. corrigirt enthalten

7	8	9	10	11	N	1	2	3	4	5	6	7	8.	9	10	11
27.2	28.8	27.4	27.6	28.0	27.6	27.6 ~~bottle filled Ch No b~~	27.6	27.8 bottle filled Ch No g	27.6	27.6	27.6					
27.8	28.0	28.0	27.8	27.4	28.4	28.4 bottle filled Ch No h	28.4	28.4	28.5	28.8	28.6					
28.6	28.0	28.1	28.6	28.6	28.3 ~~bottle filled Ch No d~~	28.5 bottle filled Ch No a	28.4	28.6	28.8	29.2	29.4					
8.6	28.6															

Water from the bottom of the river in the middle at Dacca Sept 10. 1.30 pm – bottle fill. Ch No k–

Water from the surface of the river in the middle at Dacca – bottle filled, Ch No i Sept 10 at 1.30 pm

Water from the surface of the river in the middle at Dacca – bottle filled, Ch. No h. Sept 9 at 2 pm

---

Sunday Sept 9 at 2.25 pm

velocity of the water in the middle of the river at Dacca
11 seconds to 6.2 metres
Temp of the Surf of the water 27.0 No 90

Monday Sept 10 at 2. pm

velocity of the water in the middle of the river at Dacca 6.2 metres in 12 seconds
Temp of the water at the Depth & Surface 28.1 No 98
Depth 12.6 Metres

Bottles
D 43. Aug 23rd – D 44 – Aug 24 – D 45. Aug 25 – D 46 & 47 on bottles from the Ganges near Rampore Beauleah, one from the bottom & the other from the surface – they are distinguished by the suspensions.

1858

		0	1	2	3	4	5	6	7	8	9
Sept 9	30' before Sunrise										
	30 after Do										
Sept ~~7~~ 8	Dacca								28.6		
Sept 11	1h before Nuriginge										
	Nuriginge										
	1h after Do										
	2h after Do										
	50' before Murgundesse										
	~~10 after Do~~ Munarkundee										
	27' before Sorter										
	50' before Siderpoor										
	10 after Do										
Sept 12	2h.50' before Musheesergow							29.0			
	1h.50' Do Do								29.4		
	50' Do Do									29.6	
	10' after Do										
	1h.10 Do Do										
	2h.10' Do Do										
	3h 10' Do Do										
	1h.8' before Dusarnee										
	8' Do Do										
	32' before Alemboor										
	13' before Sonarampoor										
	10' before Ebrampoor										
	Mucherkundee										
Sept 13	45' before Nurpoor							29.4			
	15' after Nurpoor								29.6		
*	14' before Buriguntee									29.0	
	3' after Kummirnuggur										29.0
	35' ~~after~~ before Majorsher										
	25 after Do										
	~~1h.25' Do Do~~										

* one lower

Temperature of the water

9	10	11	N	1	2	3	4	5	6	7	8	9	10	11
28.8														
	28.8													
		29.0												
			30.0	bottle filled Ch No d										
				31.0										
					29.3									
						29.2								
							29.6							
								29.0						
									28.8					
26.4		27.4		26.0			near the shore							
	28.6													
		28.0	bottle filled Ch No j											
			28.8											
				29.6										
					29.6									
						29.6								
							30.0							
								29.8						
									29.4					
29.6														
	29.6													
		29.8	bottle filled Ch No l											
			30.0											
				29.9										
					30.0									
						30.0								
							29.8							
								30.0						
									30.4					
29.0														
	29.4													
		29.4												

Sacks -

Sept 21 – Found from the banks of the river – 1 Kishengunge 2 pm inside a tin ticket thus S000

Sept 11. At the village Alubdee tin ticket thus Đ S0

Sept 17 At the village Lukki tin ticket thus £ 00

Temperature of

		0	1	2	3	4	5	6	7	8
	1h.25 after Majorgher									
Sept 13	2h.25 after Majorsher									
	Sederkundee									
	1h after Do									
	12' before Chuptula									
	~~48' after Chuptula~~									
	48' after Chuptula									
	10' before Chatrolabazaar									
Sept 14	5h.20 before Chunpoor							28.8		
	4.20 before Chunpoor								28.8	
	3.20 Do Do									29.0
	2.20 Do Do									
	1.20 Do Do									
	20' Do Do									
	14' before Nuringpoor									
	10' after Sonatah									
	1h.10' Do Do									
	2h.10' Do Do									
	23' before Chudderagunta									
	1h before Kundipara									
	Kundipara									
Sept 15	Kundeepara							29.2		
	1h after Do								29.2	
	2h Do Do									29.4
	Gwalnuggur									
	30' after Mutoummar									
	50' before Niagow									
	10' after Do									
	1h.10 after Do									
	25' before Lukki									
	35' after Lukki									
	Niagow									
	1h after Niagow									
	Niagow									
Sept 16	Niagow							29.1		
	20' after Bola								28.8	
	1h.20 Do Do									29.0
	2.20 Do Do									
	40' before Bomapoor									
	20' after Do									
	30' before Reshee									
	30' after Do									
	1h.30' Do Do									

the water

9	10	11	N	1	2	3	4	5	6	7	8	9	10	11
			29.6											
				29.8	bottle filled Ch No m									
					29.6									
						29.7								
							29.6							
								30.0						
									29.8					
29.2														
	29.4													
		30.2												
			30.4											
				30.1										
					30.0									
						29.6								
							29.5							
								29.6						
									29.6					
29.4														
	29.6													
		30.4												
			30.0											
				29.7										
					20′ 30.0	bottle filled Ch No n								
						30.6								
							30.0							
								29.8						
									29.6					
29.2														
	29.3													
		29.4												
			29.6											
				30.6 ~~29.4~~	bottle filled ch No o									
					30.2									

If a curve is traced avoiding the irregularities produced by Jheels of different ~~to~~ depth & breadth the maxima of the distance between the curves show pretty well the amount of local influence

Water ceased to be clear from 17 & 18 it seems to show that the organic coloration more distinctly before or after the maximum of height. being less deluged by rain water

The two bottles marked Rampore Bauleah are one from the surface & one from the depth of the river. they are easily distinguish the one from the bottom having more suspensions

~~Octo~~

Sept 17 Wind morning ~~SW~~. E wind. at 3 pm $\overset{SW}{\text{S}}$ Wind evening S W

Sept 18, Morning S W. wind. rain at 6 am. Rain at 2,30 pm
Thunder at $3^h.3'$. at 3 N E wind

Sept 19. very strong N E wind all day with storm

Sept 20. very heavy rain in the night, N E. wind morning
with heavy gales

Comparatively speaking. slow rise after the sun is up. from 6 to 7 ~~[illegible]~~ but a very great increase from 5 to 6

Temperature of the Water

		0	1	2	3	4	5	6	7	8	9
Sept 20								29.0			
									29.4		
										27.0	
											27.2
Sept 21	42' after ~~18' before~~ Sathpoormooja								26.2		
	1h.42' Do Do									26.2	
	2h 42' after Do										25.6
	Rapagunge										
	1h. ~~42~~ ~~Do~~ after Do										
	Tengra										
	1h after Tengra										
	12' before Chettanuggurpoor										
	48' after Do										
	5' after Kalleepoor										
	1h before Sotgunge										
Sept 22	Sylhet							25.~~2~~4	25.4	25.6	26.0
Sept 23	"							26.0			
Sept 24	"							26.4	26.4	26.5	26.6

10	11	N	1	2	3	4	5	6	7	8	9	10	11
26.0													
	26.0												
		26.0											
			25.6										
				25.6									
					15 25.6	bottle filled Ch No 9							
						25.6							
							25.6						
								25.6					
25.2													
	25.0												
		24.8											
			24.6										
				24.6									
					24.6								
						26.6							
							24.8						
26.1	26.0	26.2	26.4	26.4	26.4	26.3	26.3	26.2					
26.4	26.4	26.8	26.5	26.4	26.3	26.5	26.8	26.4					
26.6	26.4	26.4				26.4	26.3						

1855 (Juli 66)

Temperature of water

79

		6 am	2 pm	6 pm		6 am	2 pm	6 pm
Oct 27	River No 94	17.8		20.6	Pool of standing water	16.4		16.8
28	River	12.4	23.4	21.3	Pool	14.8	25.2	19.6
29		16.3	25.0			13.8	17.8	
30		16.4	23.6	21.6		13.6	26.6	22.0
31		16.8		21.4		15.4		22.2
November 1		16.4	23.2	6 pm 22.2		14.4	27.6	6 pm 24.2
3		14.6	23.2	21.0		13.6	28.0	22.2
4		16.8	24.9			16.4	22.4	
5		25.6	26.3	21.4		13.2	21.6	22.0
6		25.4				13.0		
7		15.6				13.6		

Rivers & ~~springs~~ abyssinia.

Nov 9	Kalapanee River	1.45 pm	$\overset{68}{16.2}$	
	Bogo panee	2.35 pm	$\overset{68}{16.5}$	
	Spring near Bogo panee	3.45 pm	$\overset{68}{17.6}$	exposition E by S
Nov 13	River near Inopea	2.30 pm	19.1	
		5 pm	19.1	
Nov 14	Spring	6 am	17.4	
		6 pm	19.3	
Nov 15		6 am	18.3	
Nov 13	Spring below		17.0 kl.gr.	Expos. North
	Nuncloo ½ hours ride down		corr 16.6	
	1½ hour ride down from Nuncloo		18.4 a.gr corr 18.0	

abyssinia

Borpanee full stream

1^h 20   18.4

Likkim Grabally

Abdoel

1855

Month of Augest 1855 Temp of the Watter

	Place of Observation	6th Am Temp of Watter	9th Am Temp of Water	12 Pm Temp of Water	3rd Pm Temp of Water	6th Pm Temp of Water
19th	Jalabya Mahanunda	24-3	23-2			
20th						
21th						
22nd						
23rd	Fakeirganye	Calla R. 26-8	29-1	30-4	31-0	30-4
24th	Fakeirganye	28-0	29-4	29-6	30-4	30-3
25th	Fakeirganye	26-9	28-9	30-5	31-1 Tista	30-3
26th	Fakeirganye	27-5	24-8	26-8	27-0	24-6
27th	Tista River	23-4	22-2	24-8	23-8	24-4
28th	Tista River	22-9	24-2	25-4	26-0	26-2
29th	Tista	25-5	26-2	26-7	27-0	27-7
30th	Tista	29-7	29-3	31-9	31-5	29-2
31th septem	Habadaka	28-5	27-8	31-0	23-7	26-3
1	Calegangogozareah	28-2	29-3	28-2	28-3	28-6
2nd	Cojalbadar	27-8	27-0	27-2	30-5	29-2
3rd	Bharumpoattro R	26-7	27-3	27-4	27-4	27-4
4th	Bharumpoattro R	26-8	27-3	27-9	27-8	28-5
5th	Bharumpoattro R	26-6	28-2	28-3	28-7	28-4
6th	Bharumpoattroa R	27-2	27-8	28-2	28-6	28-5
7th	Naseerbad Bharumpoattro	27-5	27-7	28-1	28-5	28-6
8th	Bharumpoattro	27-2	28-2	29-1	28-8	28-3
9th	Bharamapoattra	27-1	29-7	30-3	29-8	30-3
10th	~~Nabounda R~~	29-2	29-8	30-3	30-2	29-5
11th	Nasendalma	29-3	29-3	29-8	30-8	31-0
12th	Bharampoattara R	29-5	28-5	28-5	28-4	28-5
13th	Bharampoattara R	28-2	27-8	28-2	28-6	28-5
14th	Bharampoattara R	27-2	28-2	29-8	30-0	29-0
15th	Magana River	28-0	29-4	30-0	30-0	28-7
16th	Magana River	28-6	29-7	29-8	30-2	29-1
17th	Magana River	30-2	29-6	29-5	30-6	30-4
18th	Beramana River	29-2	29-7	30-0	29-7	27-6
19th	mooradpore Soorma	27-6	27-2	28-2	27-4	27-0
20th	Soorma River	26-8	26-5	27-5	27-5	26-7
21th	soarma River	26-5	27-3	27-5	27-5	26-8
22nd	Soarmah	26-4	26-7	27-1	26-6	25-8
23rd	Soarmah	25-9	26-4	26-7	26-8	26-1
24th	Soarma	26-3	27-2	27-3	27-8	26-8
25th	Soarmah	27-2	27-3	27-5	27-5	27-3
26th	Soarmah	27-3	27-3	27-2	27-5	27-3
27th	soarmah	26-3	26-8	25-0	25-0	24-8

19th Augest 4th Pm
Temp of Gobahgarap R 28 5
near Titalyah
5th Pm Baring R 28-9
20th Augest 7th Am
Temp of Doke R 27 2
5 Pm Temp of Saveor R 31-5
21 Augest 6 Am
Temp of Cadattoo R 26-7
9th Am Temp of Chavy R 28 0
10th Am Dhobene Temp R 30-1
2-30 Pm Temp of Talma R 30-6
D D Jahary R 35 0
22nd Augest 6 Am Temp of
Banga R 34-9

Crossed in going
from Titalyah
to Fakeirgunge

Fakeirgunge
Jelpigoree | Glossary

after 9 Am Beramana River
after 9 Am Soormah River

Month of August 1855 Temp of the

	Place of Observation	6th Am Temp of water	9th Am Temp of Water	12 Pm Temp of Water	3 Pm Temp of Water	6 Pm Temp of Water	
19th	Jalabya Mahanunda	24-3	23-2				~~4 Pm Temp of Golahoor River 28.5~~ ~~5 Pm Baring Riv 28.9~~ ~~7 Am Temp of Dokee R 27.2~~
20th							
21st							
22nd							
23rd	Fakeirganje	Calla R. 26-8	29-1	30-4	31-0	30-4	
24th	Fakeirganje	28-0	29-4	29-6	30-4	30-3	
25th	Fakeirganje	26-9	28-9	30-5	31-1	30-3	
26th	Fakeirganje	27-5	24-8	26-8	Tista 27-0	24-6	after 12th Pm Calla R and Tista
27th	Tista River	23-4	22-2	24-8	23-8	24-4	
28th	Tista River	22-9	24-2	25-4	26-0	26-2	
29th	Tista	25-5	26-2	26-7	27-0	27-7	
30th	Tista	29-7	29-3	31-9	31-5	29-2	
31st	Habadak R	28-5	27-8	31-0	23-7	26-3	
septem 1	Calegange gozareah R	28-2	29-3	28-2	28-3	28-6	
2nd	Cojal badak R	27-8	27-0	27-2	30-5	29-2	
3rd	Bharumpoottro R	26-7	27-3	27-4	27-4	27-4	
4th	Bharumpoottro R	26-8	27-3	27-9	27-8	28-5	
5th	Bharumpoottro R	26-6	28-2	28-3	28-7	28-4	
6th	Bharumpoottro R	27-2	27-8	28-2	28-6	28-5	
7th	Naseerbad Bharumpoottro	27-5	27-7	28-1	28-5	28-6	
8th	Bharumpoottro	27-2	28-2	29-1	28-8	28-3	
9th	~~Bharumpoottra~~ Camoona	27-1	29-7	30-3	29-8	30-3	after 6 Am Camoone R, after 12 Pm Rubbeale R, after 3 Pm Nasoonda
10th	~~Nabbeeala R~~	29-2	29-8	30-3	30-2	29-5	after 9th Pm Daynoo R after 3 Pm Dolaya R
11th	~~Nasoondalama~~ Camoona	29-3	29-3	29-8	30-8	31-0	
12th	Bharampoottara R	29-5	28-5	28-5	28-4	28-5	
13th	Bharampoottara R	28-2	27-8	28-2	28-6	28-5	
14th	Bharampoottara R	27-2	28-2	29-8	30-0	29-0	after 12th Pm Magana River
15th	Magana River	28-0	29-4	30-0	30-0	28-7	
16th	Magana River	28-6	29-7	29-8	30-2	29-1	
17th	Magana River	30-2	29-6	29-5	30-6	30-4	after 9 Am Beramana River
18th	Beramana River	29-2	29-7	30-0	29-7	27-6	after 9 Am Saorma R
19th	mooradpore Soorma	27-6	27-2	28-2	27-4	27-0	
20th	Soorma River	26-8	26-5	27-5	27-5	26-7	
21st	Soorma River	26-5	27-3	27-5	27-5	26-8	
22nd	Soarma R	26-4	26-7	27-1	26-6	25-8	
23rd	Soarma R	25-9	26-4	26-7	26-8	26-1	
24th	Soarma	26-3	27-2	27-3	27-8	26-8	
25th	Soarma R	27-2	27-3	27-5	27-5	27-3	
26th	Soarmak	27-3	27-3	27-2	27-5	27-3	
27th	Soarmak	26-3	26-8	25-0	25-0	24-8	

8

10

Temp. Rivers

Commun by Major Vetch approx

Mean of temp. Brahmaputra '60°.5
during the summer 60° warmer ~~than~~
Mean probably colder than mean of air

August warmest, when the waters
come in from the Jheels, coinciding
with the first subsidence of the rivers

During the chief period of increase the
lateral streams, coming with greater
slope from the hills are much colder
than the water from rain, heated in
rivers over the warm ground. They
both counteract the full amount
in the change of temp. every one
would have for itself

Fluſs-Temperaturen.

N. W. Provinces

Temp. Wasser.

Ganges bei Patna,
May 16 2^h am 24.0°C^{82}
5^h 10 am 23.7°C aber etwas nahe am Ufer und seichts.

Observations taken on the Jumna at 10½ A.M. June 1855 to February 1856. By Weekly at Agra.

Die Stunde kann man finden, wenn man die hier angegebene Beobachtung mit jener der meteorol. Bücher vergleicht.

Month	Date	Day of the Week	Temperature of the Jumna water	Temperature of the Air	Aspect of the Sky.	Direction of the Wind
June	11th	Monday	83.5	114.0	Clear	W
"	14th	Thursday	83.5	110.0	Scattered	W
"	18th	Monday	87.8	105.0	Clear	E.
"	21st	Thursday	85.5	86.0	allover	W
"	25th	Monday	84.8	108.0	Scattered	N.W
"	28th	Thursday	88.5	96.0	Do	N E
July	2d	Monday	84.5	92.0	Do	N
"	5th	Thursday	84.5	100.0	Do	E
"	9th	Monday	86.5	92.6	allover	W
"	12th	Thursday	82.2	92.0	Scattered	E
"	16th	Monday	86.0	103.0	Scattered	W
"	19th	Thursday	87.3	101.0	Do	N E
"	23d	Monday	86.6	98.5	allover	SW
"	26th	Thursday	85.5	93.0	Scattered	W
"	30	Monday	86.0	95.0	Do	N W
August	2d	Thursday	87.0	98.9	Do	N W
"	6th	Monday	85.2	102.0	Clear over Head	W
"	9th	Thursday	84.9	103.0	Scattered	W
"	13th	Monday	85.0	105.2	Clear over Head	N W
"	16th	Thursday	84.6	108.0	Scattered	W
"	20th	Monday	84.0	111.0	Clear	W
"	23d	Thursday	84.0	110.0	Do	N.W.
"	27th	Monday	84.4	107.5	Scattered	N W
"	30th	Thursday	85.8	101.0	Do	E
Septr.	3d	Monday	86.8	106.0	Scattered	N W
"	6	Thursday	87.5	104.0	allover	N
"	10	Monday	82.0	98.0	Scattered	E.
"	13th	Thursday	81.5	94.0	allover	W

Jumna ff

Month	Date	Day of the Week	Temperature of the Jumna Water	Temperature of the Air	Aspect of Sky	Direction of Wind
September	17th	Monday	85. 0	106. 0	allover	N. E
"	20th	Thursday	85. 0	112. 0	Clear	W
"	24th	Monday	83. 0	114. 6	Scattered	N. W
"	27th	Thursday	82. 5	115. 5	Clear	N. W
October	1st	Monday	82. 0	120. 0	do	N
"	5th	Thursday	82. 8	108. 0	do	N. W
"	8th	Monday	82. 0	104. 0	do	W
"	11th	Thursday	80. 2	106. 5	do	S. W
"	15th	Monday	79. 0	104. 6	do	W
"	18th	Thursday	77. 6	103. 0	do	N W
"	22	Monday	87. 5	102. 0	do	N
"	25	Thursday	74. 5	100. 0	do	N W
"	29	Monday	74. 6	100. 5	do	E
November	1st	Thursday	71. 5	99. 6	do	N W
"	5th	Monday	71. 5	93. 9	do	E
"	8th	Thursday	72. 3	100. 0	Scattered	N. W
"	12th	Monday	70. 0	92. 6	Clear	E
"	15th	Thursday	71. 3	94. 2	do	W
"	19th	Monday	70. 0	94. 2	do	W
"	22d	Thursday	65. 2	90. 3	Scattered	S. W
"	26th	Monday	65. 0	90. 0	do	N W
"	29	Thursday	64. 0	88. 6	Clear	W
December	3d	Monday	60. 6	85. 9	do	W
"	7th	Thursday	60. 0	84. 0	do	N E
"	10th	Monday	61. 0	86. 3	do	N. W
"	14th	Thursday	62. 3	85. 5	Scattered	W
"	17th	Monday	62. 0	87. 0	Clear	N

Month	Date	Day of the Week	Temperature of the Jumna Water	Temperature of the Air	Aspect of Sky	Direction of Wind
December	21st	Thursday	60. 0	87. 3	Clear	N E
"	24th	Monday	59. 0	92. 5	L Scattered	N. W
"	28th	Thursday	57. 0	86. 7	Clear	W
"	31st	Monday	56. 0	80. 0	Do	N. W
January 1/56	4th	Thursday	56. 2	80. 9	Do	N W
"	7th	Monday	52. 0	77. 5	Do	W
"	11th	Thursday	53. 0	80. 5	Do	N.
"	14th	Monday	52. 6	83. 0	L Scattered	N W
"	18th	Thursday	53. 0	82. 0	Do	W
"	21st	Monday	54. 7	88. 0	Clear	E
"	25th	Thursday	52. 0	84. 5	2 Scattered	E
"	28th	Monday	51. 3	79. 0	L Do	N. W
February	1st	Thursday	48. 0	66. 7	½ Do	S W
"	4th	Monday	51. 5	73. 0	Clear	E
"	8th	Thursday	63. 4	86. 2	Do	S W
"	11th	Monday	64. 0	87. 5	Do	N. W
"	15th	Thursday	62. 2	83. 0	Do	N W
"	18th	Monday	60. 0	80. 0	Do	W
"	22d	Thursday	64. 3	86. 5	Do	W
"	25th	Monday	68. 0	86. 0	½ allover	E
"	29th	Thursday	68. 9	89. 3	Clear	N. W

The observations subsequently taken will be furnished hereafter.—

R O'Connor
1st of April /56 Agra

SPL 30/6

Meteorological Ob-
servations taken
at Agra from June
1855 to February 1856
inclusive.

For transmission to
R Schlagintweit Esq.

Send it to him
Care of Mr Temple
Secy/Ch Comr Lahore
5/4

Date Hour Names of Rivers Temperature
Fahrenheit

Date	Hours	Names of Rivers	Temperature Fahrenheit
12th April 1856	9 A.M	Serkoonda Rr.	75¾ Near Kooldee Burakur Village
15th	12 M	Poonpoona	77¾ Seerees Village N.E.
„	2.45 P.M	Shane d.i. Son	83¾ Deheyree Village
16th	10 A.M.	Doorgawtee	78¾
16th	1.45 P.M.	Kurumnasa	83¼ Kujoora Village
17th	1.20 P.M.	Gangus d.i Ganges	77½ Benares Town
18th	1. P.M	Do	84 Ahlahabad Do.
24th	11 A.M	Eesun	79¾
1st May 1856	2½ P.M	Dhomowala	91½ Saharunpoor
„	7 P.M	Jumna Rajgaut	83½ Beetween Saharunpoor & Umballa

Ozum

Nepal.

und Thiere am Saum des
Gebirges.

Temperature of

Feb. 2nd 1857.

of the Ganges at Dinapore - at 1-40pm

~~23.7~~ 21.1 - of the air 23.7

2pm - Ganges. 19.7

Temperature of the water No 75476

Febry 3rd 1857 - at 12-44pm 21.0

Temperature of the Gundak.
January 14th 1857

at 12 oclock. 17-5

at 1.30 pm 17-8. -

16 January.

2pm 18-2
3 pm 18-0
4pm 18-0
5pm - 17-9

Der Ort der Beobachtg ist höchst wahrscheinlich
Patna (Mai 66)

89

Water temperature.

Tarai Nepal

Mikkena Bach 1857, (Mai 1866
vor Sigowlee May 13 21.9 82
9h 30 a.m.

Bach bei Hetounda
May 12 11h 30 21.8 82

Katmandoo to Bhimpedee
wo Versteinerung.

Fluss. temp. Bach nach dem Passe der uns auf den
Gorakhuleh Weg niederführte 9h 10 a.m. 11.9 40
Hatte überall Elephantsbeds
sehr klein.

22

(Wells & Rivers.)

Segowlee 16 February 1857

8 am. 21.5 No 100 (Corr. -0.1 Cels)

10.15. 21.8 ——

3 pm 22.8 ——

Sekrana river

17 February 1857

4-43 pm 22.9 - 100

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18 February. at 6h. 30 am

stream near Bechakole 16.2

The same stream at Purruadur

at 7 am. 16.0

Temp of Curro river 19.3 at 10.52 am

Rabtee at 11.36 am - 19.1

Rabtee at 11.56 am. 19.5

Rabtee at 12.50 am 19.1

das ist wohl der Rapti (Mai 1866)

Rabtee near village Bis-adowan at

1h. 27 pm ~~at~~ 18.8

Rabtee near village Chumootooree at

2 pm - 19.0

~~Wells~~ ~~Rivers~~ ~~Springs~~. Flüsse 91

Little channel of irrigation, at ½ miles distance from Bishenmutte

Febr 24 1857 (May 1866) 8^{h} 15 a.m. 13.8 94

Bishenmutte, ~~below~~ west of Residency, near Mhaipi Devi Hill

Febr 24 8^{h} 30 14.9 94

Balachu, where the same fishes are (Aufgenommen (p. 95) Mai 66

Febr 24 8^{h} 39' to 45'

Tank with fishes 18.9 94

a little superficial stream, like spring, to the west of Saulit. Expos I 18.5 94

1/ +

Febr 17 4^{h} 0 21.5 201

Nepal: Gorabach var Holunda

10.

Wells and rivers.

Rabtee at 3h 7' pm 17.8

Spring near Kulee Karnee at 11.5 am - " 11.3 -

Temp of river at Kulee Karnee at 11.7 am. 11.3

River near village Chitlong 14.1 at 2.15 pm.

River near Bolumbo 14.8 at 5h 17 pm -

Nepal 3' Febr 1857 (Tageb. p. 90 (Mar 66)

Temperature of the Sakrana river near Segowlee. 14 February 1857

at 4h 45' pm ~~on~~ near the left shore 19.5
at 4h 50' pm in the middle 19.2
at 4.53 pm near right shore 19.1

Ozm

Temperature of the ~~the~~ Residency tank - Katmandoo - Nepal -

23 Febr^{y} 1857 - Thermometer No 204

2 pm 18.6 - 8 pm 17.8

---

24 February 1857

7 am 15.0 — 9 am 15.4 - 4 pm 17.8

---

25 February 1857

7 am 13.8 12 am 18.2

Temperature of the Nag tank near Nurchall 22 Feb^{y}. 10^{h}.6 am . 15.4

Sugucha river - at 9^{h}.55$'$ am 22nd Feb

22 Feb - Rudromuttee river near Dhobee Khola at 10^{h} 34$'$ - 14.0

22nd Feb - Bagmuttee river at 11^{h} 30 am Temp 13.4

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26 February - Residency tank

9 am 16.2
12 - 20.6
6 pm 18.6

~~3rd March 1857~~

~~9 am 17.2~~
~~12 am 19.0~~
~~6 pm 18.8~~

Temperature of the Residency tank

No 205

28 February 1857

4 pm - 2.1.2
6 pm 21.1

1 March - 6 am 16.8 - 7 am 16.8
8 am 16.7 9 am 16.4 10 am 16.4
12 19.3

2 March 6 am 16.5 7 am 16.5
9 am 17.0 12 am 19.3

3rd March - 9 am 17.2 12 am 19.0
6 pm 18.8

March 4th
8 am 16.6 9 am 16.8 12 am 21.0
3 pm 22.0 6 pm 20.2

March 5th
9 am 17.1 12 am 16.7 4 pm 20.4
6 pm 19.2

March 6th
8 am 15.6

Open

Balveti continued Febr 24 8^{4} 39ts 45

a stream coming out

horizontally, very strong

little stream (siehe auch p. 91) 19·6^{94}

Temp. warm

Back to Elephant sheds, but [illegible]

nullah 2 10 13.2^{201}

Febr 17, 1897

Fluſstemperaturen

Ka̮maún & Ga̮rhwál.

Adolph und Robert.

10

96

Temperaturen in verschiedenen Tiefen des Sees zu Nainee Tal. 4. Mai 1855

Oberfl. des Sees 8^h am 17.6 Geiß. 18 Grei. Geb 128 u. 17.5

„ „ 9^h 17.7 18

bei 10 engl. Fuß Tiefe 9^h 16.9.8 128

„ „ $9^h 20$ 17.0 128

bei 20 engl. Fuß Tiefe 9^h 13.9 123

bei 30 „ „ 8^h 10.7 123

bei 45 „ „ $8^h 30$ 9.5 123

bei 60 „ „ $9^h 30$ 9.2 123

Ozon

Die Ther. blieben ungefähr eine halbe Stunde im Wasser ehe sie abgelesen wurden

Corr. 128 −0.1
123 −0.1
18 −0.2

Ozon [illegible] siehe Mai 3
+6

Temperatur von Gebirgsbächen etc

Kosila bei Almora 22,0 66 20 Mai 8h am 1855

Sarajū " Bageśór 23,0 66 " 10h am

Gomotī " " 23.4 66 101 " 11h am

Telmáni Bächlein 18,3 23d Mai 8h am

Zákula Bach 14.9 101 25 " 6h 15 am

Togila rara, Bach 19.2 63 23 " 1h pm

Giri, reißender Wildbach bei Shimpti in Máns chari 8.2 66 8h am 28t Mai

Schimpti, Bächlein bei Schimpti, ergießt sich bei Schimpti rechts in d Giri 6h am 13.0 65 6h am 28t Mai

Kuringár Bach (rechts in Giri) 11.8 63 7h 30 am 28 Mai

Silum, Bächlein (" ") 17.6 63 2h pm 28t Mai

Giri bei Kara Gari 9.7 63 12h 15 pm 29t Mai

Lidua, Bächlein, geht oberhalb Kara Gari rechts in d Giri 12.0 63 12h 20 pm 29t Mai

Boegduár, Bach bei d Platze Boegduár, geht rechts in d Giri bei Boegduar 14.0 6h pm 29t Mai

Giri, Temperatur unterhalb d Eisbrücke bei Boegdoár 30t Mai 4,8 65 7h am

Giri, Temperatur bei d 2ten Eisbrücke 4.8 65 30 M. 9h am

Giri, bei Telábu 2h pm 30 Mai 8.8 66

P ~~B~~Pāju, großer Bach; Temp. bei d Dorfe Pāju 31 Mai 2h pm 5.8 65

Giri bei Milum 31 Mai 4h pm 2.0 65

Gánguli bei Milum 31 Mai 4h pm 10.0 65

Pāju, groß. Bach etc 5.1 95 6t Juni 10h am

Ramganga von Cpt. Ramsay an unbekanntem Ort, u Zeit bestimmt 20.8.

Pājhu bei Dorf Pājhu 9t Juni 7h am 3.7 75

Tangselgár, Bach gegenüber dem 5t rechten Zuflusse des Milumgletschers 11h am 16t Juni 10.5 54

Kleiner Bach vom Mulumberg

in die Geri fließend.

24 Juni 1h 50 p.m. 14,2 (75).

24 Juni 7h 20 p.m. 10,0 (75)

Kleiner Bach vom Mlum Berg 12,0 (65)

25 Juni 2 p.m. Breite des Baches 125 Cent.

desgleichen ein gr. etwa 3 p.m. 70 Cent breit. 14,2 (65).

Bach vom Pachuberge in nördlicher Richtung 3,2 (65)

in d. Geri oberhalb Mulum fließend

Aus zwei kleinen Rinnen fließend. 25 Juni 4 p.m.

Dudjani Bach vom Mulumflächen bei Mündung 25 J. 4 p.m. 7,2 65.

schon oben meist über Felsen fließt 5,2 (65).

25 Juni 5h 30 p.m.

Temperature of the Gyri and the Tibet rivers at Milum. June 1855.

Date June	Hour	Gyri	
4 June	Hour	Goree (75)	Tibet River
4 June	10h.30 am	1.6 (75)	3.2 (75)
4 June	4h P.M.	2.0 (75)	4.2 (75)
5. June	9h a.m.	2.2 (75)	4.8 (75)
5 June	4h p.m	2.8	5.0
6 June	9h a.m	1.8 (75)	3.6
6 "	6h am!	0.9 (95)	—
6	3h pm	2.0 (75)	3.0 (75)
7th "	10h 30 am	1.8	3.0
7th "	4h p m	2.1	3.8
8th "	11h.30 am	1.9 (65)	3.4 (65)
8th	4h.30 pm	2.2 (65)	4.4 (65)
9 June	9h.15 a.m	1.4 (65)	3.0 (65)
9 June	4h p.m	1.9 (65)	3.8 (65)
10 June	11h. a.m	2.0 (65)	3.2 (65)
10 June	5h p.m	1.9 (65)	4.0 (65)
11 June	8h a.m	1.4 (65)	2.8
11 June	11h a.m	2.0 (65)	3.8 (65)
12 June	10h a.m	1.8 (65)	3.0 (65)
13	—	—	—
14	—		
15	—		
16			
17 June	8-30 am	2-4 (101)	3-4 (65)
"	3.30 P.M	2-6 (101)	6-8 (65)
18 June	8½ A.M.	2-6 (101)	4-4 (65)
"	3½ P.M	3-4 (101)	6. 2 (65)
19 June	8½ A.M.	2-6 (101)	3.6 (65)
"	3½ P.M.	3 4 (101)	6-4 (65)
20 June	8¾ A.M	2 - 8 (101)	3- 8 (65)
"	3½ P.M.	1 - 2	6 - 4

23 feet broad

Date	Hour	Gauri R.	Tibeth
21st June	8½ A.M	0. 0. (101)	3.4 (65)
"	3½ P.M	0. 8.	5-2.
24 Juni	2h 30	[illegible] 1,8 (75)	
6t Juli 1855.	8h a.M	4.1 (95) (am gewöhnl. Orte	
6t Juli	2h15 pm	6.8 (95) bei Samgaun	

NB Instrument 101 hat Corr = 0.0
" 65 " " = −0.2
95 " " = −0.1
75 " " − 0.2

[illegible]

Beobachtungen ~~Wassertemperaturen~~ 99
Darma Juni 1855
Ramsay

My dear Mr Schlagintweit

I have received your letter from Khatee - you are welcome to the services of Besal Manee - but I doubt much the probability of your going Traill's Pass from Pindaree to Melum at this season - I hope you have had no more difficulty than was to be expected on such a trip - As soon as you leave Melum & get under the arrangements of Manee you had better send back Debee Dutt & Mehendee Sing as they will be useless to you in that part of the country and after you cross the Pass from [illegible]

& Niti my jurisdiction ceases

Please send a line to say how these Putwarees and the Chiefs of pai have behaved - I returned from Dharma a few days ago - time & business did not permit me to visit Milam

I am very sorry to say that your Thermometer came to an untimely end - how it occurred I don't know

On taking it out the case one day I found it broken - but I had ascertained the temperature of the River on my way up & the instrument broke on the way down - I have got some hot water pro you from the only hot spring I met - I will send it to meet you [illegible] their Gurkha [illegible]

the Ramgunga water at the Bridge
the road between Gungolee and
Petoola was 20.8
at the junction of the Goree with
the Kalee or Saarda
the Goree was 15.3
the Saarda — 15.2
Twenty miles further up the Saarda
near Darchoola was 13.8
and 20 miles above that at
Sobla it was 9.8 -
The mist was so thick that I never
could see the Neepal Peaks
and any information regarding
the Passes east of Byans that
I could gather was so vague, so
undefinable and at the same
time so uncertain that I could

Verhält. zu
[illegible]
der Datum
fehlt

could not depend upon it - When
do you expect to reach Niti?
you will find it very difficult
to get on during the Rains - especially
in the Rajah's country where Bridges
are rare - Batten is still in Gurhwal
Please give my Salaam to your
brothers and with my hearty wishes
for success in your travels

Yours truly

H Ramsay

Nynee Tal
9 June 1855

Setleǵ, hinter d. Mündung d. Gŭngul in denselben 21 Juli 9h am 100 11.6 65
" " " 22 " 7h am 10.4 65
" " 22 5h pm 13.4
Gŭngul " 22 5h " 14.4 68
Setleǵ " 22 7h pm 12.4 68
" " 23 7h am 10.4 65
Gŭngul " 23 " 8.0 65
" 23 5h 30 pm 13.4
Setleǵ 23 " 12.4
" 24 8h am 10.4 65
Gungul " 24 " 8.8 65
Setleǵ " " 31 10h am 11.1 101

Saleletch bei Brücke zwischen Nagkanda & Dara:
31t Mai 1856 9h a.m 15.4 222

Gŭngulbach bei Dulla 20 Juli 6h pm 10.4 65
" " 21 Juli 7h am 8.0 65
" bei d. Mündung in Setleǵ 21 Juli 9h am 9.6 65
" " " 22 " 7h am 8.2 65

Mangnang Bach bei Mangnang 1855 9 Aug. 5h pm 10.2 101
" " 10 Aug 8h am 4.0 101
" " bei Dora 11 " ~~9~~ 8h am 1.4 101

Corr. d Instr: 101 = 0.0
65 = 0.2

101

Temperatur von Gebirgsbächen. 1855.

Baghirati, linkes Ufer bei Zeltplatz Mezza. 6t Oct 6h pm 8.2 101

Baghirati bei Mezza 7t Oct 7h am 5.6 101

Kini Bach, oberhalb Zusammenfluss mit Lun Bach, bei Gufa Udar 9t Oct 5h30 pm 4.2 101

Lun Bach etwas oberhalb Zusammenfluss mit Kini Bach 9t Oct 5h30 pm 5.2 101

Kini Bach, wie 9t Oct. 10t Oct 7h am + 6.2 101

Shanma, bei der mittleren Quelle, Dotani pani genannt 14 Oct. 9h am 4.7 101

Ebendaselbst Shanma 14t Oct. 6h pm 5.4 101

Gemacht

101 = 6.0

Temperatur of River

1855	27th	5 P.M.	Belung River	52
	28th	10. A. M.	Longud Nuddee	59
	29th	11.45 A. M.	Ball Gunga	52
	30th	9. A. M.	Kot Gudayra & Mangunga	35
	2nd October	8. A. M.	Shor Gud R.	53
	" "	10.45. A. M.	Jaysuruttee R.	49
	6th "	1. P. M.	Jungooree R.	50
	8th "	1.30. P. M.	Beeree Gunga R.	43
	10th "	3. P. M.	Jumna R. No III.	~~52~~ 50

Wassertemp.

Simla Ladak

1856

11

103

Wassertemp.

T

1856.

Sutlej Juni 6 6h 30

bei Wangtoo

(Mosl A.M.)

7h 23' 14.4 212

Juni 7 4h 30 pm 15,0

Voor

Sutlej bei Rampore
6h 3 p.m 14.9 207
10h a m 16.4 207

Gaudegarang, kleiner Bach vor
Saran 7h p.m
13.8 207

Wanggar
bei ~~Ba~~ Bache
Juni 8 12h 11.1 69

Urbe

~~Nirmand~~
Gnemsankang grosser Bach Juni 9 69
5h p.m 7.5
kleiner linke seite 12.3
Sand 16.3

Gaun

Passage über Gnensan tang

Juni 10 12ʰ 4.9

Dieser Bach erhielt viell. Zufluss von Schneelagen; muss wenn dieser weg i. mit dem unteren sehr ähnlich sein.

Ogun

Wassertemperaturen. 104 373

Juni 15 1856
Haltplatz 2 mi unterhalb Zusammenfluss
Todi jir 12h 10 am 14.3 212

Ozon

Juni 19 Quellen beim ersten Lager nach Parang pass
nur oberflächliches Wasser, morgens alle gefroren
Parang jir bei der Lager ~~12h 50~~
1h 30 9.8 Cel

Ozon

105

Wasser u. Luft temp.

Pang Tso or Gnalari, Juni 30 ter

Kessel

10 ½ a m. ~~Trocken~~, Luft 10.8^{212}

Wasseroberfläche, ganz ruhig und ganz nahe am Ufer

16.2^{212}

Sand trocken 24.2 = 75.2

nass 19.4 = 66.6

Temp des See bei ¼ der Breite vom Ufer

Oberfläch 9.3^{212} Ozum

bei 5 ~~Meter~~ unter Wasser 9.0^{212}

bei 5 m 7.0^{212} (wahrscheinlich: 10 m u. nicht 5 m)

bei 15 m 6.8^{212}

bei 30 m 4.8^{212}

Beim weiter hinabgelassen waren durch die Schwankungen des Bootes stets Entleerungen u. Wiederfüllung des Tiefapparates unvermeidlich, die Wasser aus ~~grosse~~ geringeren Tiefe mit herauf brachten

Juli.

7^h a m

bei Nacht war Oberfläche 8.2 ^{21h}

auch um 12^h 8.3

da der See stark bewegt war

unmittelbar am Ufer nur sehr

wenig wärmer 8.4 8.6 an

den entlegensten Plätzen

106

vann temp.

Lung jog má jer
below Tarikstr
Juli 3

4h p.m.
11.1

OV

in kleinen mit Wasser erfüllten Vertiefungen des sumpfigen Bodens unter Tro-mo ziri, nahe bei Nasboo Sando

Juni 20. 7^h 40 p.m.
69

Wasser 21.9 = 120.0

Boden oberfläche 49.1 ^{69} } besonnt
= 684 20. 6. } beschattet

das Thermom 113 ~~0.2^m tief~~ in den Schlamm eingedrückt, der den Boden des Pfuhle von 21.9 ausfüllte

0.2^m tief 3.8

^{m} tief 1.2.

Flußtemperaturen R.

Simla - Leh

Bach hinter Nagger (1. Bach) 7. Juni 2h pm 16.2 216

108

Bach, Gletscherbach? Duangen genannt bei Shatset 7. Juni 6h pm 14.1 216

Phari Bach hinter Shaketsut, d. h. oberhalb Shaketsut 8. Juni 7h am 14.5 216

Raini, Gletscherbach geht in Bias 8. Juni 7h 30 am 7.0 216

Bach ohne Namen, der sich oberhalb Mörri mit Bias vereinigt, vor Vereinigung mit Bias 5.8 216
8. Juni 8h am

Bias, nach Vereinigung mit einem andern Bach 6.2 216, 9h dtto.

Bias, oberhalb Mörri, da wo ein andrer Bach sich ~~[illegible]~~ mit ihm vereinigt: 8. Juni 9h am 6.8 216 (vor der Vereinigung mit d. andern Bach)

Bias Bach, da wo Hydrog. Probe gemacht wurden, unterhalb Bijhaura 13. Juni 6h pm 14.1 222

Bach Bias bei Sultanpur 6. Juni 4h 30 pm 17.2 216
7. " 6h am 12.6 216

Bias, da wo Brücke nach Bischischt hinüberführt, etwas unterhalb Bischischt 8. Juni 8h 15 am 9.6 216

Juni

1858

Bach zwischen Dalas & Khot 7h am 1 Juni 14.6 222

Triton Bach, oberhalb Lardschi 3t Juni 7h am 16.1

Sainj bei Lardschi, ehe er in den Triton Bach geht 3t Juni 9h am 13.8 222

etc. 1856.

[illegible]

~~Satledsch bei der Brücke zwischen Nagkanda und Daras, 31t Mai 9h am 15.4~~ 222

109

No.	Date and Month June 185	Hour	Name of the River and Stream and Place of observation	Temperature 223(?)	
1	5th	2h pm	Nalla Near Munnikurn, (miss Verbvetti)	27. 0	—
2	"	3h pm	Spring " Koedol gaon	24. 0	
3	"	4h pm	Spring " Matira gaon	19. 0	
4	6th	6h am	~~Bawaree~~ Bauri bai " Surri gaon	19. 0	
5	"	7h am	Nalla " Patulla gaon	19. 6	—
6	"	7h am	Nuddi " Barada gaon	19. 8	—
7	"	8h am	Nuddi of Shuksug Near Durmaur	20. 4	—
8	"	9h am	~~Bawaree~~ Bauri Near Sharni gaon	21. 2	
9	"	4h pm 30	River of Biyas Near Palyen	18. 4	—
10	7th	6h am	Maharoo Dara Near Sultanpur	18. 2	—
11	"	9h am	Domaray ka Nuddi	13. 4	—
12	"	1h pm 30	~~Bawdree~~ Bauri Near Sultanpur	12. 4	
13	"	2h pm	Sangki Nuddi Near Hagkigaon	12. 4	—
14	"	4h pm 15	Spring Near Kirsaigaon	18. 0	
15	"	5h pm 30	" " Godhara gaon	14. 8	
16	"	6h pm	Nuddi " Jucsoggam	14. 2	—
17	9th	9h am	Surpundi Kanalla	6. 8	—
18	"	10h am	Biyaskoond		
19	"	12h noon	Maloree Gatera	5. 0	—

Die mit — bezeichneten gemeſſ.

Temp des Jhelum bei Hattian (10 g. Hattia
Nov 8 6h p.m. 12.4 ^{100}

Kleiner Bach ganz in der Nähe 11.5 ^{100}

wird Jhelum unter [illegible] [illegible]
bis 2 abgekühlt

Höchste Wassermarke des Jhelum
bei Hattia 10'

~~Jhelum Ghul~~ Kleiner Bach nach ^{100}
Ruine Nov. 5 10h 30 a.m. 9.8 f.

Bach unter Uri Nov 5 5h 10 pm 11.6 ^{100}

Bach unter Mera Nov 9 9h 30 a.m. 9.4 ^{100}

Flusstemperaturen am
Weg von Uri nach Märri 5.+6. 1856
Nov.

Corr. des Therm. 100 = −0°.1 Cels.

Temperatur von Bächen. Juni 1856.

Nr.	Juni 1856	Stunde	Name des Baches und nähere Bezeichnung des Orts d. Beobacht.	Temperatur
	10	5h am	Chandra Bhaga bei Koksar	5.2 223
	"	9h am	" " "	6.4 223
	"	2h pm	" " "	8.4 223
	"	6h "	" " "	8.0 223
	5	7h am	Parbótti bei Manikórn	10.0 223
		11h "	" " "	11.0 "
		12h pm	" " "	12.0 "
	2	10h am	Bach bei Plash, ehe man von Rishalla aus nach Plash kömmt	19.4 223
	3	12h noon	Tuton Bach, (Khom Nadi nach Koerkischen), ehe er mit Saing Bach sich vereinigt bei Lóuti	20.2 223
	3	1h pm	Saing Bach bei Laghi, bei Lóuti	13.4 223
	15	8h am	Mangolumpa Bach, bei Dorf Zuaring	6.8 216

utlej bei Rampore Juni 1, 6h pm
14.9 207 1856 (Hermann)

Temperatur von Bächen etc.

Nr.	Dat. Juni 1856	Stunde	Name des Baches & Localitaet	Temp.
	16	6h am	Bach, etwas oberhalb Kolung	6.8 216
	"	9h am	Bhaga Bach, etwas oberhalb Jispa	5.3 216
	17	7h am	Jumi Jhu Bach etwas oberhalb Darcha	5.6 216
	"	9h am	Shangdung lumpa, Bach etwas unterhalb Patseo	6.3 216
	18	8h am	Bach in d. Nähe Zingzing-bars; geht in Bhaga	+1.1 216
	19	8h 30 am	Nam Cho (See Nam) in der Nähe des Bara Lacha Passes. Der See war fast überall fest gefroren; nur der Ausfluss war nicht zugefroren.	+0.2 216
	20	6h am	Kilung Bach bei Jhala(s) nicht bestimmt.	+0.2 216
	"	8h am	derselbe Bach, weiter abwärts, und jetzt bestimmt.	+0.8 216
	"	6h pm	derselbe Bach, bei △ Takenak	8.6 216

Temperatur von Bächen etc.

Nr.	Juni 1856	Stunde	Name des Baches & nähern Localitäts-Bezeichnung	Temp.	
	21	7h am	Buchlani ober [illegible] zwischen d. Takenak & d. Kiberang	1.6	216
	〃	8h am	Serchu, Bach, der sich mit Kihlung vereinigt, von der Sonne beschienen	2.8	216
	〃	~~10h am~~ 2h pm	Cherpa, Bach, etwas vor Zusammenfluss bei Cherpa	12.6	216
	〃	6h 30 pm	Chapsa Bach bei d. Giam.	10.3	216
	22	6h am	〃 〃 〃 〃	+ 2.8.	216
	〃	6h pm	Sumdo Bach bei Lagerplatz Sumdo, Fuss des Lung Lacha Passes	4.8	216
	24	3h pm	Mure Cho, [illegible] zwischen Kiangchu & Rukchin	23.4	216
	〃	12h noon	Wasserlachen gebildet aus Schneewasser, bei Kiangchu	15.4	216
	25	6h 30 pm	Bach bei Rukchin	5.2	216
	27	7h am	Mandur Bach bei Gia, auf	2.6	216

Flußtemperaturen.

Leh bis Yarkand & zurück nach Leh

Temperatur von Bächen etc July 1856.

Nr.	July 1856	Stunde	Name des Baches	Temp.	
	24	2h pm	Bach, der sich bei Leh in den Indus ergiesst; es ist derjenige Bach, durch dessen Thal man von Leh nach Laoche Pass geht	14.2	21.6
	27	12h 30 pm	Shayok Fluss, bei dem Übersetzen v. Diskit nach Lagtshung bestimmt	11.1	21.6
	25	11h 30 am	Temp. eines kleinen Gletscherbachs, der sich unmittelbar am Fusse des Gletschers befindet, der an d. nördl. Abfällen des Laoche Passes liegt	+0.4	21.6
	30	10h am	Mittelgrosser Bach, der zwischen Panamik & Takcha in den Nubra Bach links sich ergiesst	7.6	21.6
	August 1856.				
	5	12h noon	Shayok Bach bei Lagerplatz Sasser	5.8	21.6
	5	8h am	Gletscherbach, kömmt vom Sasser Gletscher & geht gleich unterhalb Lagerplatz Sasser direkt in Shayok.	3.2	21.6
	2	11h am	Temperatur eines Gletscherbaches, (das [illegible], wenn man v. Sasser Pass nach Skiangspoche geht	7.3	21.6
	2	11h am	Temper. eines Gletscherbaches, der sich in denselben See ergiesst	3.9	21.6

[illegible]

Temperatur von Flüssen, Bächen etc. August 1856.

Nr.	Aug. 1856	Stunde	Name des Baches & Ort d. Beobachts	Temp.	
	7	4h pm	Patang Tokpa Bach bei Lagerplatz Paktangsa	5.8	216
	7.	12h pm	Kisil ab, Bach bei Chongil Dane Akse	13.2	212
	9	9h am	Karakorum Bach bei Lagerplatz Daulat Beg Ulde	8.2	216
	8	4h pm	Shayok Bach, da wo man ihn zwischen Dapshan & Daulat Beg Ulde überschreitet.	11.1	216
	10	2h pm	Yarkand Bach etwas unterhalb Lager Bullu	13.2	216
	10	8h 15 p.m	Wohab Chilgane ke Su (Su türkisch = Chu = Wasser Bach) auf dem hohen Plateau westl. vom Yarkand Bach in Turkistan.	6.4	216
	11	8h. a.m	Wohab Chilgane etc	7.3	
	11	7h pm.	Bach, an welchem wir Lager vom 11/12 + hatten	7.4	216
	12	9h am	" " " 11/12 Lager	7.6	216

Ogrun

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Temper. von Flüssen Bächen etc Aug. 1856

Aug. 1856	Stunde	Name des Baches etc		
13	1h pm	Temp. des Sees (Kiuk-Kiöl) bei Lager 12/13. u. 14. August	13.2	216
14	1h pm	〃 〃 〃	13.8	216
〃	4h 〃	〃 〃 〃	11.6	216
〃	7h 〃	〃 〃 〃	10.4	216
15	7h am	〃 〃 〃	9.8	216 [illegible]
8	2h pm	Erster Bach (3 F. b. 5 F. ?) breit auf Dapsang Plateau	11.1	216
14	4h pm	Temp. des kleinen Baches der in See geht	+4.6	216
15	9h am	〃 〃 〃	6.7	216
17	9h am	Bach bei d. Bashmalgun	8.4	216
16	9h am	Bach bei Lagerplatz 15/16 Aug (derselbe Bach wie bei Bashmalgun)	9.0	216
17	2h pm	Bach bei d. Bashmalgun	18.2	216
〃	4h 〃		18.6	
〃	6h 〃	derselbe Bach 1/4 Meile unter Lagerplatz Bashmalgun (Woher so kalt?	10.8	216 216
18	6h am	〃 〃 〃	6.2	216
15	2h pm	Grosser Gletscherbach rechte Seite des Thales, unterhalb heiss. Quellen	3.6	

(Also wärmer als Quelle in seiner Nähe.)

Ogun

Temperatur von Flüssen, Bächen etc. Aug. 1856

Nr.	Aug. 1856	Stunde	Ort der Beobachtung & Name des Baches	Temperatur.
	20	10h am	Bach bei Lager 19/20.t (kein Gletscherbach) geht links in Karakash Bach	216 9.8
	26	6h p.m	Bushia Gletscherbach bei Bushia	216 7.7.
	25	9h. am	Bushia " ", etwas oberhalb Bushia	216 3.7
	29	12h 30 p m	Karakash Bach bei △ ~~Sumgal~~ Sumgal	216 17.8
	30	10h 30 am	Kleiner Bach, rechter Zufluss des Karakash Baches, bei Lager 29/30st Aug.	216 12.4
	30	11h am	Karakash Bach, etwas unter Lager 29/30t Aug. 1856	11.6
	31	3h p.m	Karakash Bach als wir vom rechten auf linkes Ufer gingen um nach Sugét zu gehen	12.6 216
	30	1h p.m	Temp. eines Seitenarmes des Karakash Baches;	216 19.1
	24	5h pm	Bushia Gletscherbach, bei △ 24/25	216 6.2

[illegible]

Temp. von Flüssen, Bächen etc. Sept. 1856

Sept. 1856	Stunde	Ort der Beobachtung u. Name des Baches	Temp.
6	12h 15 p.m	Bächlein bei Murgai	216 12.7
6	5h p.m	Shayok bei Sultan Chuskun	216 9.7
7	9h 30 am	Shayok, etwas oberhalb Sultan Chuskun	216 6.2
6	5h 10 pm	Kisilab Bach bei seiner Einmündung in Shayok, bei Sultan Chuskun	216 9.3
7	7h 30 am	Derselbe Bach	216 6.3
5	3h p.m	Kisilab Bach, etwas unterhalb Burze	216 9.3
3	8h 30 am	Bach bei Walitsha, gebildet von den Abflüssen der Quellen v. Walitsha	216 6.9
3	9h am	Yarkand Bach bei Walitsha	216 6.9
2	2h p m	Bachlein bei Chibra; es geht links in jenen Bach der vom Suget Dawan Pass kommt.	216 9.4
3	4h pm	Yarkand Bach bei Chattertash	216 12.3

Open

Temperatur von Flüssen Bächen etc. Septemb. 1856

Sept. 1856	Stunde	Name d. Baches etc.	Temp.
9	4h pm	Pantangsa Wasserbach, bei Pantangsa	216 10.2

Cyan

Wasatump.

Lugel Leh.

Moni; Aamasamee

1856

Beobachtungen von Wassertemperaturen
Quellen, Flüsse etc. Suget bei Leh (Mani)
Sept 1856

Dat.	Stunde	Ort u. Bezeichng des Wassers	Temp N 222.	Bemerkg
Sept. 4	7h am	Kleiner Bach bei Suget	4.0	
			12.2	
	2h pm		10.8	
	5			
"	5h	Quelle bei Suget	4.4 = 39.6	12,960 ft / meist sehr stark Expos. Süd aufrechter Seite
Sept 8	7h am	Quelle von Walikshah	6.4 = 43.2	15,104 ft vergl meine frühere Bestimmung
Sept 9	7h am	Yarkand bach etwas ober Chodder tash	11.6	
Sept. 10	2h pm	Kleiner Bach bei Dapsang	9.8	
Sept. 11	7h am	Bach Akkab 8 Meilen ober Burze	1.2	
Sept 12	2h p.	Kimilab	2.6	
		Akkab	5.4	
Sept 12	12h 10	Quelle ~~noch~~ ober Morgei	16.6	Ojmm starke Quelle offenbar keine Quelle vergl meine zu glauben wir ~~haben~~ diese Quelle nicht
	1h 30	Kalte Quelle bei Morgei selbst ~~hervor Bach~~	4.6 = 39.9 ~~16.0~~	15,448

Wassertemperaturen
Sugét bis Leh (Mai)

Dat.	Stunde	Ort und Bezeichnung des Wassers	Temp N 222	Bemerk.
Sept 12	~~7 am~~ 1 30	Kluvier Bach bei Murgai	16.0	
Sept 13	7 am	derselbe Bach	1.8	
	12 50	Bach der nach Sasser fliesst.	4.2	
	1 30	Shayok	5.2	
	2 10	Bach der vom Sasserpass herabkömmt	5.6	
Sept 16	3 pm	Bach aus Panglangsal	3.8	
	5 pm	"	2.6	
Sept 17	7 am	"	0.6	Gfrn.
Sept 17	9 30 am	Quelle Pangtsärz Pang = Grasplatz tsärz = Norden auf linker Seite des grossen Baches	1.6	an der seitigen Confluenzstelle sehr viel Wasser 500' ~~bis~~ über Lagerplatz. Wir waren nicht bei dieser Quelle

(Mani)

Dat	Stund	Wasser	N 222	Bem
Sept 18	5h 34'	Wasser vom Pangkangsa unter Changlung	10.2	
Sept 19	5 pm	Wasser im Dorf Pangong	8.8	kleines Wasser
Sept 20	3 pm 30	kleiner See bei Loban Lobani Tso	17.2	
Sept 20	5h pm	kleiner Bach bei Hillkam	13.4	
Sept 21	7h	Chamchen kleiner Bach	7.6	
	2	kleiner Bach Shromzi dopso ober Laggung	18.8	
Sept 22	10h am	Shayok bei Lakchung	9.8	
	2h	kleiner Bach ober Diskit	10.6	
Sep 23	5	kleiner Bach bei Kardong	7.6	

Ogmun

(Máni)

Sept 24	2h	der alte Bach bei Hardung	5.4	
24	7h		13.6	
	2		8.0	
	5	〃	4.4	
Sept 25	7	〃		
	2	kleiner Bach bei Larsen	8.4	
	5	Bach bei Dorf Gaugli's	8.8	

Observations by Ramasami in Nubra

August 1856	Hour	Air Dry	Wett	Temperature of the Nala Shayok	Name of the place
6th	8^h am	11. 2		+ 11.4	Ice water
9th	6^h am	12. 2	– 18.4	+ 16.2	Panamic gaon of River
"	12^h noon	24. 6	17. 6	10 8	"
"	6^h pm	23. 2	11. 4	+ 11.2	"
10th	6^h am	+ 18. 2	– 14. 8	++ 16.2	"
"	12^h noon	25. 8	16. 8	12. 8	"
"	6^h pm	23. 2	10. 4	10. 4	"
11th	6^h am	12. 8	+ 16. 6	+ 15.6	"
"	12^h noon	17. 4	17. 6	16. 4	"
"	6^h pm	21. 2	11. 4	11. 0	"

Leh Kashmir

Oct 10 Soosoo bach oder Sankoo 6.1^{212}

Bach bei Pashmin

~~Oct 10~~

Oct 14 5^{h} pm 7.4^{223}

15

Oct 14 Quelle etwas unter Sakne

Expos Süden, sehr sch. & schwach

6.8^{223} wohl mit Oberfl wasser

vermischt.

Oct. 16 Quelle unter bei Lager

a Nafgam unter Pass

9^{h} 10 am 7.8^{100} an 3. Stellen gleich

wenig starke Expos Süd

Oct 17, Islamabad 2^{h} 55.

Anatnag, sehr starke Quellen bei

einem Hindoo Tempel an 4 Aus-

flussstellen gemessen

16.6^{100}

bei Marsan unter einem Hause hervor.

die Ausflussstelle scheint dem

Quellenmunde sehr nahe

Expos S 75 W

Oct 17

5h 10 pm

aufsteigende [illegible] [illegible]

Quelle ~~[illegible]~~ nördlich

von ersterer. Malak nag

Malak heisst aufsteigend, Sprudel

21.6 R Vapor S 80 W

beide Quellen liegen am Rande

der hohen Erosion

Eine kleine Quelle unter

Ârischen nach dem Orte

Pamsdar (Düchen der

Karte)

sie ist in einem Seitenthale

das hier mündet bei einem

Dorfe Rün, links in

diesem Thale

diese süße Quelle scheint mir ~~[illegible]~~ identisch mit

~~[illegible]~~

~~[illegible]~~ jener von Adolph in Vol 26, p. 117

genannten (Mai 1863)

Mani

Corr. 211 = −0°.4 Cels.

October 1856	Hours	Names of Places	Tempy of River No. 211	ft inch
31st	7.8 a.m.	Beehustha River at Kashmeer	13.0	6.4
	7.35 a.m.	From Shaik bog to ~~Zeygunee~~ near Gulab Sings house	12-2	4.2
	7.40 a.m.	Chootee Kool small Nalla	12-0	4.3
	8.11 a.m.	~~on the Right bank and Kuraleeiar Kapuree~~ opposite the Rajahs house ~~Left~~ Left were Kuraliar and Gungree bull meet	12-8	3.1
	8.15 a.m.	Kuraleeiar nullah	10.6	5.1 in middle
	8.21 a.m.	Gungree bull nullah	12-8	4'2"
	8.25 a.m.	Naleymar on the ~~Left &~~ Right	10.4	4.5
	8.31 a.m.	Naleymar in middle	10.4	5.1
	9 a.m.	Kuraleeiar	10.9	5.4
	10.33 a.m.	Hazrutt bull gaum near Tank	13.7	0 5
	11.34 a.m.	In ~~Tank~~ Surfase of ~~Tank~~ Lake	13.8	5.4
	~~4.55 a.m.~~	~~Tank~~ Lake in Lunghas Corner near Kashmeer	24.4	Surfase
	12.45 a.m.	full ~~of grassy~~ (on surface full of water plants + ~~and Dawn~~	16.8	8 4
	12.45 a.m.	below the surface, same place		
	12.50 a.m.	~~and in~~ Mud ~~Dawan~~	15-8	
	1 P.M.	in Grass surfase covering the lake like before on the ~~out~~ shore	25-2	2 4
		~~Dawan~~ Below of Grass	16.8	
		and ~~mud~~ Bottom of Tank	15-8	
	2 P.M.	in Grass Surface of water close to shore but =	25-2	
		~~Dawan~~ Below of Grass in water	17.6	
		~~and~~ Bottom of Tank near shore	17-2	
	2½ P.M.	near Shall bog	12.4	6 5
	3¼ P.M.	N. E. of the Shall bog	13.3	[illegible]

[illegible]
[illegible] 60

Maai

water without 126 211 2

31st October at 4.53 P.M. 1850 — Near Ensab bory surface of fross — 21 - 6

depth 7 F

" — Dawun of fross — 15 - 8

5.20 P.M. — Chasmall ~~dau~~ ~~(w)~~ & Spring — 10 - 6

not false temper

Chusmaë broad in feet 2 . 8 Inch

in Corner 2 ~~feet~~ Inch where water moved not

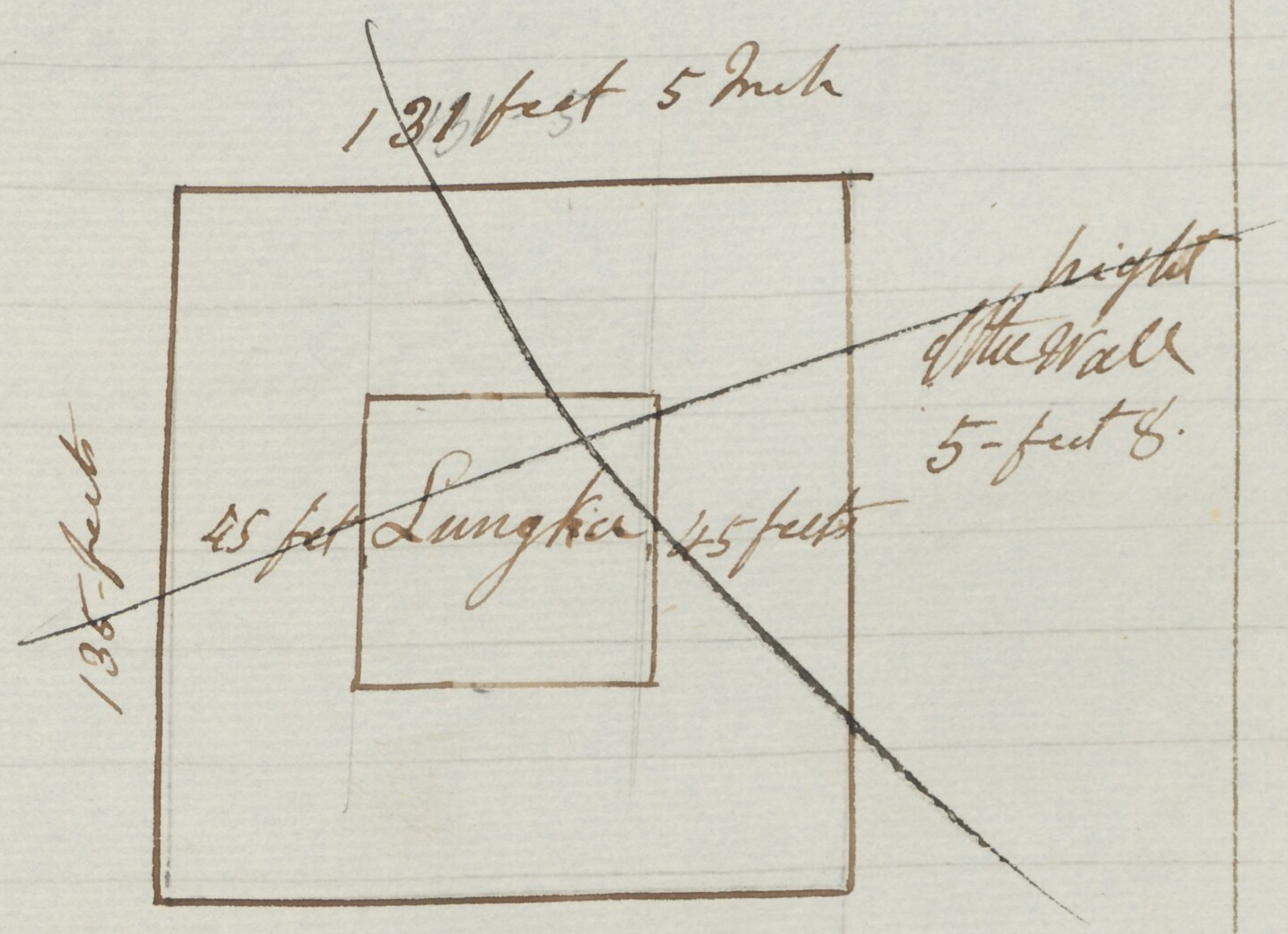
and in midle 3 Inch

Left Shore 2½ Inch — Quantity of water in second equal 2'8" × 3" × 2'

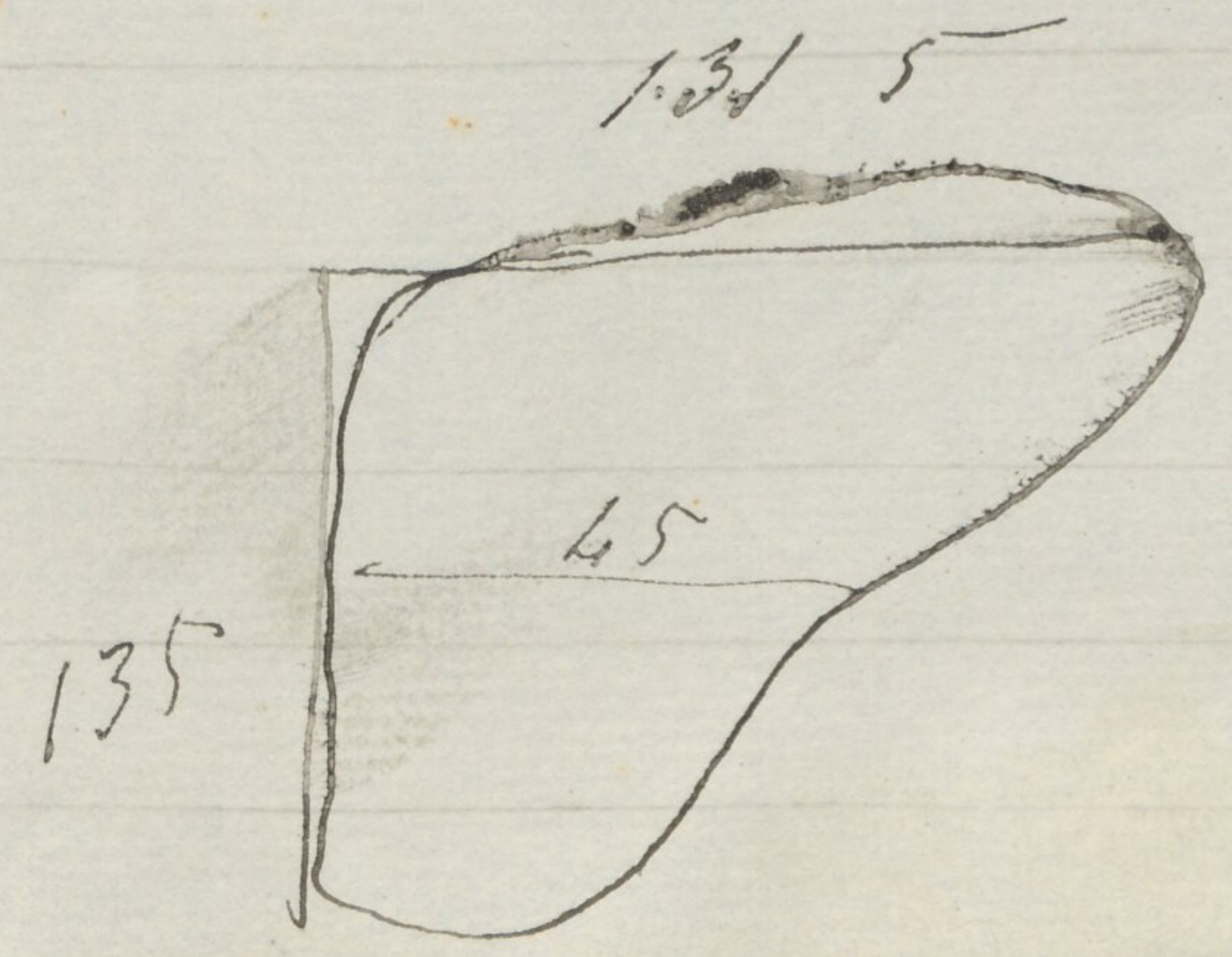
5.55 P.M. — Jheth Zaum near. depth 4'6" — 12 - 8

7 P.M. — near Shaike bay depth 7' 6" — 12 - 5

Chusmaë = Spring in Kashmiri


131 feet 5 Inch
hight of the Wall 5-feet 8.
45 feet
Lungka
45 feets
135 feet

Scale of 60 feet to an Inch



Fleuve (Ste bi
Brisagne

+ remarkably warm at the surface
when covered with grassy vegetation
quite correct

= covered ½ with water

Mani

Therm. No 100 = –0°.1 Cels. Corr.

Beobachtungen am Shilum Flusse. Srinaggur – Wuller See.

Nr.	Nov. 1856	Stunde	Lufttemperatur Gr. Kleen Nr 190 Trock.	Feucht	Temp. des Shilum Flusses	
	2.	4h pm	—	—		Alle Beobacht. gemacht von Nayn Sing Zürkisten & Mani.
		5h "		—		
		6h "	11.4	7.0	13.0 6	
		7h "	10.8	6.0	12.6 7	
		8h "	8.6	3.6	12.2 8	
		9h "	8.0	3.2	12.0 9	
		10h "	5.0	3.6	12.0 10	
		11h "	5.4	3.4	12.2 11	
		12h Mitternacht	4.7	3.0	12.2 MN	
	3	1h a.m	4.5	2.8	12.0 1h	
		2h a.m	3.6	3.0	12.2 2h	
		3h am	2.8	2.6	12.2 3h	
		4h am	3.4	3.0	12.0 4h	
		5h am	3.5	3.1	12.0 5h	
		6h am	2.8	1.1	12.0 6h AM	
		7h am	2.4	1.8	11.7 7h AM	
		8h a.m	5.8	5.2	11.4 8h AM	
		9h "	7.2	6.2	12.2	9h
	3	10h "	7.8	6.4	13.6	Von jetzt sind diese Temp. die Temp. des Laab
		11h "	8.0	6.8	14.2	
		12h noon	13.2	8.2	13.2	
		1h pm	15.2	8.8	13.2	
		2h "	19.0	10.1	13.0	
		3h "	18.2	10.0	13.3	
	3	4h "	18.8	10.8	Shilum 13.6	die jetzig. Temp. sind Temp. d. Shilum
		5h "	16.5	10.8	13.2	
		6h "	10.5	8.6	12.6 6	
		7h "	9.8	6.6	12.8 7	
		8h "	7.6	5.6	12.8 8	
		9h "	8.6	6.6	13.0 9	
		10h "	7.6	5.8	13.0 10	
	4	6h am	4.6	3.8	11.8	

Wuller See

Fluß Temperaturen. R + H.

Ladak bis Kashmir.

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Sevon Dorf (Kartse) bei Kargil; 10h Morgens 6.6

Kaunir Dorf bei Lappola 9h 30 früh 6t Oct

12.4 218

Observations by [illegible], Ladakh to Kashmir

Observations by Kisna, Ladak to Kashmeer

No.	Date	Hours	Place of the Observations or name of River	Temp River No. 225	Temp of the Air Dry No. 225	Wet	Temp of the Surface 225	Remarks
	17th Sept. 1858	12 M.	Phanggaum & River	15.6	14.2	10.0	36.8	= 97.9
		2 P.M.	get Nameo River	20.0	14.8	12.4	34.4	= 93.6
		4 P.M.	Lotpow Do	15.4	17.0	11.2	30.6	= 86.7
	18th Sept.	6 A.M.	Bazgogaum Do	10.6	11.9	6.0	15.8	= 60.1
		9 A.M.	Phurow Choo	11.6	15.0	7.2	25.8	= 78.1
		4 P.M.	Oolo Lotkpow	"	18.4	9.2	30.8	= 87.1
		6 P.M.	Khinchee Nala	14.4	16.4	7.6	25.2	= 77.0
	19th "	6 A.M.	Do	"	7.2	4.8	16.4	= 61.2
		9 A.M.	Do	10.2	7.0	5.6	20.8	= 69.1
		2 P.M.	Kuleechey Nalla	16.4	16.6	9.4	25.2	= 77.0
		4 P.M.	Do	16.2	17.0	10.2	30.4	= 86.4
		6 P.M.	Do	15.4	16.2	9.8	27.2	= 80.6
	20th "	6 A.M.	Do	10.2	11.4	8.2	14.2	= 57.2
		9 A.M.	Wulna Nalla	9.0	14.8	4.8	25.8	= 76.6
		12 M.	Lamarpogaum Do	14.2	14.8	4.8	25.0	= 76.6

			Temp. River	Dry & wet. 225		Surface	
20th Sept 1859	6 P.m.	Lamdoogaum yuru Nalla	13.4	15.2	11.0	20.0	= 67.6
21st	6 a.m.	do	11.2	11.6	5.6	18.4	= 64.8
	9 a.m.	Seem Sha Nuddee	14.2	11.2	6.4	18.4	= 64.8
	12 m.	~~Hung~~ Henas koot Nuddee	11.4	15.6	7.2	36.6	= 97.5
	6 P.m.	Kharboogaum do	12.4	17.6	9.4	25.8	= 78.1
22nd "	6 a.m.	do	10.2	11.2	5.8	15.6	= 59.7
	12 m.	Chokiagaum Nuddee	14.4	15.2	7.6	42.6	= 108.3
	2 P.m.	Mulbay do	13.2	11.6	9.4	34.0	= 91.0
	4 P.m.	Mietbe do	14.4	14.2	10.2	27.4	= 81.0
	6 P.m.	do do	11.0	13.4	6.0	26.0	= 78.4
23rd "	6 a.m.	do do	10.0	11.2	5.8	15.4	= 59.4
	12 m.	Paskium Nalla	14.6	14.7	7.6	26.2	= 78.8
	4 P.m.	Thorum Shar do	12.6	12.7	10.0	22.8	= 72.7
	6 P.m.	do	13.4	10.6	8.4	23.6	= 74.1
24th "	6 a.m.	do	9.4	10.2	7.6	11.2	= 51.8
	12 m.	Kargigl Nalla	8.2	15.4	9.0	20.0	= 67.6
	2 P.m.	Gunchon Nuddee	8.4	12.2	6.5	19.2	= 66.2
	4 P.m.	do	8.4	12.6	7.2	18.4	= 64.8
	6 P.m.	do	7.4	13.4	6.0	26.0	= 78.4

Krishna's observations, from Leh to Kashmir.

Omm.

		Krishna; Leh—to Kashmir	Temp. of Rivers	Dry 22 5	+ wet 22 5	Surface	
25th Sept. 1856	6 a.m.	Gumchon Nudda	11. 2	10. 4	7. 2	14. 0	= 56.8
	9 a.m.	Do	12. 4	13. 0	9. 2	18. 0	= 64.0
	12 m.	~~Thas~~ Jhumm Táikam Do	10. 2	12. 4	10. 0	25. 0	= 76.6
	2 p.m.	Do	11. 4	12. 2	7. 4	20. 0	= 67.6
	4 p.m.	Do	9. 0	10. 2	6. 2	19. 0	= 65.8
	6 p.m.	Do	8. 6	9. 4	6. 4	15. 0	= 58.6
26th "	6 a.m.	Do	6. 4	10. 2	5. 4	15. 2	= 59.0
	7 a.m.	Thunthutt Nalla	5. 2	11. 4	6. 4	19. 2	= 66.2
	9 a.m.	Khodoo Do	6. 4	13. 0	6. 2	25. 4	= 77.4
	12 m.	Chook lung Nalla	9. 0	15. 2	7. 6	28. 2	= 82.4
	2 p.m.	Majthen Gaum Nalla	9. 2	15. 4	9. 2	45. 6	= 113.7
	4 p.m.	Do	7. 6	12. 0	10. 0	20. 0	= 67.6
	6 p.m.	Do	5. 4	11. 2	6. 4	20. 0	= 67.6
27th	6 a.m.	Do	9. 6	10. 2	5. 4	14. 0	= 56.8
	7 a.m.	Thuspun Nuddee	10. 2	11. 4	5. 6	15. 8	= 60.1
	9 a.m.	Daras Kela Do	10. 8	12. 2	6. 4	18. 2	= 64.4
	12 m.	Pudraj Nala	14. 0	15. 6	7. 2	25. 0	= 76.6
	2 p.m.	Muttayen Nuddee	11. 4	13. 0	6. 2	30. 4	= 86.4

Temp. of | Dry | Wet | Surface

			Temp. of ~~Rivers~~	Dry 22 5	Wet 22 5	Surface	
27th Sept	4 P.m.	Muttayen Nalla	13. 0	16. 2	5. 4	44.0	= 110.8
~~28th~~	6 P.m	do	11. 2	18. 6	5. 2	22. 4	= 72.0
28th "	6 a.m.	do	7. 2	7. 4	4. 2	20. 9	= 69.3
	7. a.m	Khoroo Nalla	7. 4	7. 4	5. 0	10. 2	= 50.0
	9 a.m.	do	"	6. 2	4. 2	10. 4	= 50.4
	12 m.	Shokhur Nalla	6. 2	8. 0	6. 0	11. 2	= 51.8
	2 P.m	Goomdoo Nalla	8. 2	9. 4	6. 4	12. 0	= 53.2
	4 P.m	do	7. 4	5. 2	3. 8	9. 4	= 48.6
	6 P.m.	do	8. 0	5. 4	3. 0	8. 0	= 46.0
29th "	6 a.m.	do	4. 0	5. 2	2. 4	7. 2	= 44.6
	7 a.m.	do	4. 2	9. 4	2. 6	11. 4	= 52.2
	9 a.m	Kungee Juthucrada	4. 0	12. 2	6. 4	18. 2	= 64.4
	12 m.	do	"	12. 4	"	15. 2	= 59.0
	2 P.m.	Maroo Nalla	6. 4	11. 2	4. 0	15. 2	= 59.0
	4 P.m	do	6. 0	11. 0	3. 4	20. 4	= 68.4
	6 P.m	do	5. 2	9. 4	2. 0	17. 2	= 62.6

Krishna

Leh to Kashmir

Temp.	Dry	Wet	Surface

			Temp. Rivers.	Dry 225	Wet	Surface	
30th Sept 1858	6 a.m.	Bathullmur Nalla	6·4	7·6	2·4 225	9·2	= 48·2
	7 a.m.	Subul Nalla	6·2	8·4	4·0	8·2	= 46·4
	9 a.m.	Kukroo Nalla	7·0	7·2	3·2	16·4	= 61·2
	12 m.	Neelgue Nalla	8·2	10·6	6·4	20·0	= 67·6
	2 P.m.	Sonmur Gaum N.	7·0	11·2	5·6	18·0	= 64·0
	4 P.m.	do	6·8	13·4	4·2	17·0	= 62·2
	6 P.m.	do	6·4	9·6	4·6	17·0	= 62·2
1st October 1858	6 a.m.	do	4·6	6·2	1·8	7·4	= 45·0
	12 m.	Hang Nalla	6·8	10·0	4·2	18·0	= 64·0
	4 P.m.	Gagangayir Nalla	6·8	11·2	5·2	16·0	= 60·4
	6 P.m.	do	7·2	11·0	3·4	16·0	= 60·4
2nd do	6 a.m.	do	~~11·4~~ 8·2	10·0	4·0	19·2	= 66·2
	9 a.m.	Vitlum Gaum Nala (Lind)	7·4	11·2	4·6	20·0	= 67·6
	12 m.	Gooyul Gaum Nala	9·2	12·4	5·4	22·4	= 72·0
	2 P.m.	Furaoo do do	11·0	15·2	7·0	35·2	= 95·0
	6 P.m.	Mumma do do	11·2	12·2	7·4	18·0	= 64·0

Gmm

			Rivers	Temp. of Air		Surface	
3rd October 1856	6 a.m.	Mumurgaum Nalla	9.4	11.0	6.2	16.2	225 = 60.8
	9 a.m.	Kungum Nalla	7.2	11.4	4.6	21.4	= 70.2
	12 m.	Ka Kungum Nalla	8.4	15.0	6.2	30.0	= 85.6
	4 P.m	Noonur Gaûm	10.2	13.4	6.4	36.0	= 96.4
	6 P.m	do	10.0	11.2	5.4	25.2	= 77.0
4th "	6 a.m	do	9.6	7.2	6.4	9.4	= 48.6
	7 a.m.	Koorjubur Nalla	"	18.2	7.4	42.2	= 107.6
	9 a.m.	do	12.4				

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Flußtemperat.

Kashmir – R. Pindi.

Temperatur von Bächen & Flüssen Oct. 1856

Nr	October 1856	Stunde	Ort der Beobachtung & Name des Baches	Temp.	
	13	2h 30 pm	Dras Bach, da wo man ihn übersetzt etwas unterhalb Mataian.	8.0	218.
	14	12h noon	Bach auf Zoji Pass	16.5	218
	"	1h 30 pm	" " "	16.6	218.
			Sind Bach		
	November 1856				
	3	2h 5 pm	Wuller See in Nähe v. Baba Shukuddin	15.4	218
	5	9h a.m	Jhelum Fluss bei Nauschera	12.4	215
	"	10h a.m	Bach bei Dorf Limmer	8.6	215
	"	2h 30 p.m	Katta nallah, zwischen Gingel & Dodo Dorf	11.4	218.
	6	8h a.m	Jhelum Fluss bei Gori Ghur (Uri)	12.4	218
	7	10h 15 a.m	3ter Bach, von Kuthai nach Buledjsa (während Regens, der schon d. g. Nacht gedauert hatte)	10.4	218
	8	8h 33 am	1ter Bach von Buledjsa	10.6	218
	8	3h 5'	Bach bei Nauschera	12.2	218
	9	8h 30 am	Jhelum bei Kuthai	12.4	218
	11	1h 40 pm	Kishenganga bei Mozafferabad	7.8	215

(die sehr kalte Temp. d. Kishenganga auffallend)

Fluſs-Temperaturen.

Indus.

Die Flußtemp. v. p 137–159
des Indus zumeiſt

27 Juni	~~12h noon~~ noon 1856	Indus bei Upshi	13.2	216
„	7h pm	„ „ „	12.3	216
28	6h am	„ „ „	11.1	216
29. Juni	8h am	Indus bei Brücke, die bei Leh ist.	12.0	216
Juli.				
2.	7h 30 am	Indus bei Leh etc. (Auch Wasser aus Tiefe mit Senkapparat hatte dieselbe Temperatur)	13.1	148.
„	10h am	Indus etc (auch Wasser aus Tiefe hatte dieselbe Temperatur)	15.8	148.
„	12h noon	Indus etc	18.0	148
„	2h pm	Indus etc	19.4	148
„	4h „	Indus etc	19.1	148
„	6h „	Indus etc	17.8	148
3	7h am	Indus etc	12.8	223
„	9h „	Indus etc	14.6 14.4	147 223
„	12h noon	Indus etc	15.2	223
„	2h pm	Indus etc.	16.7	223
„	4h „	Indus etc	16.7	223
4	6h am	„ „	11.8	223
„	7h „		12.9	223
„	9h „		12.9	223
„	12h noon		16.0	223
„	2h pm		16.8	223

Temperatur von Bächen etc. Juli 1856.

Nr.	Juli 1856	Stunde	Indus bei d. Brücke bei Leh in Ladak.	Temperatur des Indus.
	4	4h pm	Indus bei Leh	223 16.6
	„	7h „	„ „ „	14.8
	5.	6h am	„ „ „	11.8 223
	„	7h „	—	12.0
	„	9h „	„	12.6
	„	12h noon	„ „	15.8
		2h „	—	17.0
	„	4h „	—	16.8
		7h „	„ „ „	15.2.
	6	6h am		11.8
	„	7h „	„ „ „	12.4
	„	9h „		13.6
		12h noon	Indus bei	17.6
	„	2h pm	Leh	19.6
	„	4h „	„ „	20.0
	„	7h „	„ „	15.8
	7.	6h am	„ „	11.0
		7h „	„ „	12.0
		9h „	—	13.8
		12h pm	—	15.0
		2h „	„ „	15.2
		4h „	„	20.2
		6h „		17.6
	8	6h am	„ „	11.4
		7h „	—	10.6
		9h „	„ „ „	12.8
		12h noon	—	18.4
		2h pm	„ „	20.4

Allgem. Bemerk.

Bei Indus ist Atm. klarer feuchter, Morgens 6^h

Leh	16.2	16.2	Indus
	9.2	12.0	
2^h	28.0	29.0	
	14.4	15.6	

Gegen 2^h 3 bis 4° wärmer durch locale Erwärmung der Uferränder

Jan 60. H

Temperature of the Indus at Leh.
July 1856.

Nr.	July 1856	Hour	Temperature of the Indus Nr. 223	Where does water mark stand	Temp. of Air	
					Dry 223	Wet 223.
	9	12^h noon	18.6	42	28.6	14.4
	„	2^h pm	20.6	44	32.0	13.2
	„	4^h pm	23.0	46	29.6	13.8
	„	6^h „	21.8	48	26.7	12.4
	„	7^h „	20.6	51.	23.0	9.8
	10th	6 am^h	13.4	52.	15.1	11.9
	„	7 am^h	14.0	1.	23.2	13.4
	„	9 am^h	15.2	79	26.8	12.6
	„	12 noon^h	18.2	51	31.2	15.8
	„	2 pm^h	20.2	52	33.2	16.4
	„	4 pm^h	23.6	55	30.6	14.8
	„	6 pm^h	17.2	57	26.2	12.0
	„	7 pm^h	17.2	58	29.2	10.2
	11th	6 am^h	14.	50	16.8	11.6
	„	7 am^h	14.2	45	26.2	14.4
	„	9 am^h	15.4	44	28.4	17.2
	„	12 noon^h	18.5	47	29.6	15.2

Nur Wasser. Lufttemp. scheint ungenügend

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Temperature of the Indus at Leh

Date July	Hour	Temperature of the Indus	Where does water Mark stand	Temp. of Air	
				Dry No 223	Wet No 223
,,	2^{h} pm	19.4	46	31 2	14.6
,,	4^{h} pm	15.2	51	21.4	13.0
,,	6^{h} pm	16.0	53	21.6	11.0
,,	7^{h} pm	15.8	53	20.4	11.8
12th	6^{h} am	13.5	51	14.6	11.6
,,	7^{h} am	13.6	48	18.6	13.2
,,	9^{h} am	15.2	47	23.7	16.4
,,	12^{h} noon	18.2	49	32.2	17.2
,,	2^{h} pm	19 6	19	31.4	17.2
,,	4^{h} pm	19.0	50	29 2	15.6
,,	6^{h} pm	17.0	51	24.0	12.8
,,	7^{h} pm	16.8	52	19.8	11.6
13th	6^{h} am	13.4	4.7	15.0	12.4

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Temperature of the Indus at Leh

July 1856	Hour	Temperature of the Indus	Where does water Mark stand	Tempr. of Air	
				No. 223 Dry	No. 223 wet
13th	7^{h} am	13.8	46	18.2	11.6
"	9^{h} am	15.2	44	20.4	13.0
"	12^{h} noon	17.8	44	24.4	14.2
"	2^{h} pm	19.6	48	29.2	14.2
"	4^{h} pm	19.2	52	27.6	14.4
"	6^{h} pm	17.6	52	22.6	12.4
"	7^{h} pm	16.4	53	21.0	12.0
14th	6^{h} am	13.8	38	16.2	12.0
"	7^{h} am	14.2	37	19.0	12.4
"	9^{h} am	15.6	36	22.2	14.8
"	12^{h} noon	18.4	38	25.6	14.8
"	2^{h} pm	19.4	45	28.6	13.6
"	4^{h} pm	19.2	46	26.6	12.8

Temperature of Indus at Leh

No	July 1856	Hour	Temperature of Indus	Where does water Mark stand	Temp. of Indus	
					No 223 dry	No 223 wet
	"	6^h pm	17.6	47	24 6	13.0
	"	7^h pm	15 2	48	24.0	11.2
	15th	6^h am	13.8	28	14.6	10.8
	"	7^h am	14.0	27	17.2	11.8
	"	9^h am	15 6	28	23.0	13.0
	"	12^h noon	18.2	32	27.4	14.2
	"	2^h pm	18.8	34	26.2	12.8
	"	4^h pm	20.0	34	25 8	12.4
	"	6^h pm	16.2	36	20.0	12.0
	"	7^h pm	15 0	36	19.0	10.6
	16th	6^h am	13.8	1.6	13.8	11.4
	"	7^h am	14.2	16	16.8	11 8
	"	9^h am	15.6	1 0	19.0	12.6

Temperature of the Indus at Leh

July 1856	Hour	Temperature of the Indus	where does water mark stand	Temp. of the Air	
				No. 223 Dry	No 223 wet
"	12h noon	17.4	23	22.0	13.6
"	2h pm	18.8	25	28.0	14.0
"	4h pm	18 2	25	27.0	13.6
"	6h pm	17.4	28	23.2	10.6
"	7h pm	16.2	20	16.2	10.2
17th	6h am	13.8	15	13.8	9.0
"	7h am	14 2	17	19.0	10.4
"	9h am	15.0	18	20.2	11.0
"	12h noon	16.6	10	26.8	11.4
"	2h pm	17.4	23	28 2	12.0
"	4h pm	18.6	22	28.8	14 0
"	6h pm	18 2	27	26.0	12.0
"	7h pm	16.0	27	20 6	10.8

Temperature of the Indus at Leh

July 1856	Hour	Temperature of the Indus	where does water mark stand	Temp. of the Air	
				Dry No. 223	Wet No. 223
18th	6^{h} am	14.0	15	13.8	9.8
	7^{h} am	14.0	15	14.8	10.4
	9^{h} am	14.8	17	18.0	11.0
	12^{h} noon	17.0	18	20.2	13.4
	2^{h} pm	18.2	18	25.0	12.4
	4^{h} pm	18.6	24	20.0	13.0
	6^{h} pm	18.0	27	20.0	11.8
	7^{h} pm	17.4	27	18.4	10.4
19th	6^{h} am	14.0	14	12.4	8.8
	7^{h} am	14.4	14	12.6	10.2
	9^{h} am	15.2	16	18.4	11.6
	12^{h} noon	16.2	17	21.6	12.2
	2^{h} pm	18.2	18	25.8	12.0
	4^{h} pm	19.2	18	27.8	13.2

Temperature of the Indus at Leh

July 1856	Hour	Temperature of the Indus	where does water Mark stand	Temp. of the Air	
				Dry No 223	wet No 223
"	6^h pm	18.8	23	19.8	11. 8
"	7^h pm	18.2	28	17.4	11.4
20th	6^h am	20. 2	12	15.6	11. 2
"	7^h am	20.4	12	18.4	13.8
"	9^h am	26. 0	12	25.6	14. 2
"	12^h noon	18.0	5 3	29.4	16. 2
"	2^h pm	19.4	5.7	30. 2	18. 4
"	4^h pm	19.4	8.5	3~~4~~0.4	13. 4
"	6^h pm	19. 2	8 6	26.4	13.4
"	7^h pm	18.4	9 7	25.0	13. 0
21st	6^h am	15.3	5 3	13.4	10.4
"	7^h am	15 6	5 3	14.4	11. 0
"	9^h am	16.4	8 0	20.4	13.4
"	12^h noon	18.8	8.0	29.2	13.4
"	2^h pm	19.8	2 0	30.6	14.6
"	4^h pm	21.6	4 2	28.0	14.4

Temperature of the Indus at Leh

July 1856	Hour	Temperature of the Indus	where does water Mark stand	Temp. of the Air	
				Dry No 223	Wet No 223
"	6^{h} pm	18. 0	75	23. 0	12. 0
	7^{h} pm	~~13.4~~	75	21. 0	11. 2
22nd	6^{h} am	15.8	53	13.4	10.4
"	7^{h} am	15.6	53	14.4	11. 0
"	9^{h} am	11.4	87	20. 4	13.4
"	12^{h} noon	18.8	8.0	29. 2	13.4
"	2^{h} pm	19.8	20	30.6	14.6
"	4^{h} pm	21. 6	42	28. 0	14.4
"	6^{h} pm	18. 0	75	23. 0	12.0
"	7^{h} pm	13 .4	75	21. 0	11. 2
23rd	6^{h} am	11.4	12	9.4	7. 2
"	7^{h} am	11.4	12	10. 0	7.4
"	9^{h} am	13. 0	53	15.8	9.6
"	12^{h} noon	18. 6	8.0	28 4	13. 0
"	2^{h} pm	19. 0	20	30. 0	14. 0

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Temperature of the Indus

August 1856	Hour	Temperature of the Indus	Where does water mark stand	Temp. of the Air	
				Dry No 223	Wet No 223
3rd	7h am	13. 6		15. 9	11.8
"	9h am	13. 4		18.4	12.8
"	12h noon	16. 9		22. 2	13.9
"	2h pm	17. 4		25. 3	16. 4
"	4h pm	16. 8		25. 8	13. 7
"	6h pm	16. 4		21. 6	11. 8
4th	6h am	13. 4		16. 6	11.6
"	7h am	13. 6		18. 2	11.4
"	9h am	14. 5		20. 8	14.4
"	12h noon	16. 3		22. 6	14. 8
"	2h pm	16. 8		24. 4	14. 5
"	4h pm	16. 4		24. 6	14. 4
"	6h pm	15. 8		22. 8	13. 4
5th	6h am	14. 4		17. 4	12. 4

Temperature of the Indus at Leh

August 1856	Hour	Temperature of the Indus	Where does water Mark Stand	Temp. of the Air	
				Dry No 223	Wet No 223
10th	6^{h} am	16.4		20.0	10.7
"	7^{h} am	17.3		20.5	11.4
"	9^{h} am	17.4		32.6	11.8
—	12^{h} noon	17.8		24.8	11.6
"	2^{h} pm	18.8		24.6	10.8
"	4^{h} pm	22.7		25.8	11.7
"	6^{h} pm	17.8		25.7	10.8
11th	6^{h} am	17.4		25.2	10.4
"	7^{h} am	18.4		25.2	10.3
"	9^{h} am	18.5		24.4	11.4
"	12^{h} noon	18.8		24.4	11.2
"	2^{h} pm	19.8		28.4	11.6
"	4 pm	20.0		28.8	11.7
"	6^{h} pm	20.4		27.2	12.4

Temperature of the Indus at Leh

August 1856	Hour	Temperature of the Indus	Where does water Mark Stand	Temp. of the Air	
				Dry No 223	Wet No 223
12th	6^{h} am	21. 5	"	24. 0	11.4
"	7^{h} am	22. 0	.	24. 3	10. 6
"	9^{h} am	20. 0		24. 0	11.4
"	12^{h} noon	23. 0		25. 4	11. 2
"	2^{h} pm	20. 6		23. 5	11. 8
"	4^{h} pm	21. 8		24. 6	11. 3
"	6^{h} pm	22. 0		23. 7	10. 4
13th	6^{h} am	20. 2		22. 4	10. 0
"	7^{h} am	20. 3		22. 0	10. 0
"	9^{h} am	20. 4		20. 4	10. 8
"	12^{h} noon	19. 8		27. 4	11. 5
"	2^{h} pm	20. 4		25. 4	11. 3
"	4^{h} pm	19. 8		26. 4	11. 8
"	6^{h} pm	20. 4		25. 6	9. 4

Temperature of the Indus at Leh

August 1856	Hour	Temperature of Indus 223.	where does water Mark stand	Temp. of the Air	
				Dry No 223	Wet No 223
14th	6^h am	18.5	"	25.6	9.4
"	7^h am	19.4	"	26.8	10.6
"	9^h am	20.4		26.6	11.5
"	12^h noon	20.5		27.6	11.4
"	2^h pm	20.6		27.6	10.8
"	4^h pm	21.4		27.4	10.5
"	6^h pm	22.0		23.0	10.0
16th	6^h am	15.6		15.2	10.2
"	7^h am	15.8		17.6	12.4
"	9^h am	16.4		21.2	14.2
"	12^h noon	18.0		24.2	14.6
"	2^h pm	19.2		25.0	15.0
"	4^h pm	19.0		28.0	14.2
"	6^h pm	17.2		25.2	19.2

Temperature of the Indus at Leh

August 1856	Hour	Temperature of Indus 223	Where does water Mark stand	Temp of the Air	
				No 223 Dry	No 223 Wet
17th	6^h am	15. 0		15. 0	12. 2
	7^h am	15. 8		15. 8	13. 6
	9^h am	16. 8		18. 8	11. 8
	12^h noon	18. 8		24. 6	14. 8
	2^h pm	21. 6		26. 6	13. 8
	4^h pm	18. 6		18. 4	13. 4
	6^h pm	17. 8		23. 2	13. 2
18th	6^h am	14. 8		15. 2	11. 4
	7^h am	16. 4		16. 8	13. 4
	9^h am	16 2		20. 0	14.4
	12^h noon	18. 8		23. 4	13. 6
	2^h pm	19. 8		23. 4	12. 4
	4^h pm	19. 4		20. 2	12. 2
	6^h pm	21. 2		20. 0	12. 6

Temperature of the Indus at Leh

August 1856	Hour	Temperature of Indus 223	Where does Water Mark stand	Temp. of the Air No 223 Dry	Temp. of the Air No 223 wet
19th	6 am^h	15.0		14.8	11.4
	7 am^h	15.8		14.4	11.8
	9 am^h	15.0		15.8	11.8
	12 noon^h	16.2		18.4	13.8
	2 pm^h	18.2		20.0	13.8
	4 pm^h	19.2		20.2	13.8
	6 pm^h	19.0		20.0	13.0
20th	6 am^h	15.0		14.4	10.4
	7 am^h	15.0		13.8	10.2
	9 am^h	16.2		16.2	10.8
	12 noon^h	21.2		20.4	12.8
	2 pm^h	19.4		22.8	13.4
	4 pm^h	19.4		22.2	13.8
	6 pm^h	21.4		23.0	12.4
21st	6 am^h	14.8		15.4	11.0
	7 am^h	14.8		16.6	11.8
	9 am^h	16.6		18.8	12.8
	12 noon^h	21.0		20.0	13.2
	2 pm^h	22.0		18.4	13.0

Temperature of the Indus at Leh

August	Hour	Temperature of Indus	Where does water Mark stand	Temp. of the Air	
				No 223 Dry	No 223 Wet
"	4h p m	22. 2		20 2	13. 2
	6h p m	21. 2		22. 2	12. 2
22nd	6h a m	14. 4		12. 6	9. 8
	7h a m	14. 6		13. 2	10. 5
	9h a m	15. 0		15. 2	12. 0
	12h noon	15. 6		15. 2	12. 2
	2h p m	16. 6		15. 2	12. 0
	4h p m	17. 6		16. 0	12. 8
	6h p m	20. 0		18. 0	12. 6
23rd	6h a m	14. 0		13. 2	10. 0
	7h a m	14. 6		13. 2	11. 0
	9h a m	15. 4		13. 4	11. 2
	12h noon	17. 4		14. 6	12. 5
	2h p m	17. 2		16. 6	13. 2
	4h p m	17. 4		16. 4	13. 4
	6h p m	16. 6		18. 0	12. 2

Temperature of the Indus at Leh

	August 1856	Hour	Temperature of Indus	where [illegible] Water Mark stood	Temp. of the Air	
					No 223 Dry	No 223 Wet
	24th	6^h am	14. 6		13. 2	9. 4
	"	7^h am	15. 0		13. 8	9. 6
	"	9^h am	16. 2		15. 2	11. 6
	"	12^h noon	16. 6		17. 4	11. 2
	"	2^h pm	17. 4		18. 2	12. 4
	"	4^h pm	17. 2		20. 0	13. 8
	"	6^h pm	17. 0		19. 2	13. 0
	25th	6^h am	14. 6		13. 6	9. 8
	"	7^h am	15. 6		13. 6	9. 6
	"	9^h am	15. 8		14. 4	10. 0
	"	12^h noon	17. 6		21. 4	13. 1
	"	2^h pm	18. 0		21. 0	13. 0
	"	4^h pm	17. 4		21. 0	12. 0
	"	6^h pm	18. 0		22. 4	13. 0
	26th	6^h am	14. 6		18. 0	12. 6

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Temperature of the Indus at Leh

August 1856	Hour	Temperature of the Indus 223.		Temp. of the Air	
				No. 223 Dry	No. 223 wet
〃	7^{h} am	15. 0		13. 0	9. 0
〃	9^{h} am	15. 4		23. 4	12. 4
〃	12^{h} noon	16. 4		25. 0	12. 8
〃	2^{h} pm	17. 6		24. 2	13. 4
〃	4^{h} pm	18. 8		19. 0	12. 0
〃	6^{h} pm	17. 0		19. 2	13. 0
27th	6^{h} am	13. 6		14. 0	9. 2
〃	7^{h} am	13. 6		14. 2	9. 2
〃	9^{h} am	14. 6		14. 6	9. 4
〃	12^{h} noon	14. 4		15. 6	11. 2
〃	2^{h} pm	17. 8		17. 4	12. 6
〃	4^{h} pm	15. 6		14. 0	11. 6
〃	6^{h} pm	14. 0		14. 4	11. 4
28th	6^{h} am	13. 6		12. 2	9. 0
〃	7^{h} am	13. 6		13. 4	9. 2
〃	9^{h} am	14. 0		14. 2	10. 0
〃	12 noon	14. 2		14. 8	10. 2
〃	2^{h} pm	14. 0		15. 0	11. 0
〃	4^{h} pm	16. 0		17. 2	11. 0

Temperatur of the Indus at Leh

August 1856	Hour	Temperatur of the Indus		Temp. of the Air No 223 Dry	Temp. of the Air No 223 wet
"	6^h pm	16.0		18.0	10.0
29th	6^h am	12.0		12.2	8.6
"	7^h am	12.6		13.4	10.0
"	9^h am	12.8		13.6	10.2
"	12^h noon	13.8		15.2	11.0
"	2^h pm	14.6		15.6	11.2
"	4^h pm	14.6		14.4	11.6
"	6^h pm	15.0		14.8	10.8
30th	6^h am	12.0		11.4	8 2
"	7^h am	12.8		13.0	10.2
"	9^h am	14.0		13.4	11.0
"	12^h noon	15.0		15.8	12.2
"	2^h pm	15.6		16.0	12.4
"	4^h pm	17.4		17.0	12.8
"	6^h pm	16.4		16.6	12.4
31st	6^h am	11.4		12.0	9.2
"	7^h am	12.2		12.4	8.6
"	9^h am	12.8		13.0	10.2

Temperature of the Indus at Leh

	August 1856	Hour	Temperature of the Indus		Temp. of the Air	
					No 223 dry	No 223 wet
	″	12^{h} noon	14. 0		15. 2	10. 4
	″	2^{h} p m	16. 4		17. 0	11. 6
	″	4^{h} p m	16. 8		17. 2	11. 4
	″	6^{h} p m	15. 8		16. 4	10. 8
	″ 1856 1st Sept.	6^{h} a m	12. 0		11. 4	8. 2
	″	7^{h} a m	12. 8		12. 6	9. 8
	″	9^{h} a m	12. 6		12. 4	9. 0
	″	12^{h} noon	13. 1		12. 8	10. 0
	″	2^{h} p m	13. 2		14. 6	10. 4
	″	4^{h} p m	14. 4		14. 4	10. 6
	″	6^{h} p m	14. 2		14. 4	10. 0
	2nd	6^{h} a m	10. 0		10. 8	9. 4
	″	7^{h} a m	12. 2		11. 4	8. 2
	″	9^{h} a m	12. 2		11 8	8. 6
	″	12^{h} noon	12. 8		14. 6	11. 0
	″	2^{h} p m	16. 2		16. 0	11. 0
	″	4^{h} p m	17. 2		17. 2	12. 2
	″	6^{h} p m	17. 2		16. 8	11. 4
	3rd	6^{h} a m	11. 6		11. 2	8. 2

Temperature of the Indus at Leh

Sept. 1858	Hour	Temperature of the Indus 223		Temp. of the Air No 223 Dry	No 223 Wet
"	7^h a m	11. 4		11. 6	8.6
"	9^h a m	12. 6		12. 4	9. 8
"	12^h noon	14. 6		15. 2	11. 4
"	2^h p m	16. 4		16. 0	13. 2
"	4^h p m	17. 0		17 2	14. 0
"	6^h p m	16. 0		16. 8	12. 4
4th	6^h a m	12. 8		13. 2	10. 4
"	7^h a m	12. 6		13. 4	10. 2
"	9^h a m	13. 8		14. 0	11. 2
"	12^h noon	15. 2		16. 4	11. 4
"	2^h p m	16. 4		16 . 8	12. 0
"	4^h p m	15. 6		15. 8	11. 4
"	6^h p m	15. 4		14. 4	10. 8
5th	6^h a m	12. 0		11. 8	9. 2
"	7^h a m	12. 0		11. 6	9. 4
"	9^h a m	12. 8		12. 2	9. 2
"	12^h noon	13. 4		14. 0	10. 2
"	2^h p m	16 . 2		16 . 0	10. 4
"	4^h p m	16 . 8		16 . 2	11. 0
"	6^h p m	15. 6		15 8	10. 6

Indus unterhalb Saspola, 5 Sept 2h pm 8.9 218

Indus bei Kaltse 1h pm. 9.6 212

Temp etc

Indus Sept 27, 2h 10 pm (auf dem Wege nach Himis passirt

12.2 207

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]			

Month	Day of the Month	Time of the Day	Name of the River	Village or Encampt	Remarks
June	12	Forenoon			

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Temperature of Rivers between the Tunlung Pass - Ladāk, and Srinagur - Kashmir

Month	Day of the Month	Hour of the Day	River	Village or Camp	Temperature	Remark
June	10	5.30 am	Geah	Geah	36°	
"	"	10. am	"	Miru	46°	
"	"	Noon	"	Upshi	51°	
"	"	Noon	Indus	"	51°	Below junction of Geah River
"	11	Noon	"	Marsileng	54°.5	
"	13	7.30 am	"	Lé Bridge	48°	
"	16	7.30 am	"	Lakurtze	51°	At the point where the Road to Nyemo leaves the River
"	17	9.30 am	"	Bazgo	53°	
"	19	6. am	"	Saspul	54°	
"	20	5.30 am	"	Nurla	54°	
"	21	5.30 am	"	Khalsi	54°.5	
"	"	8. am	Wanla	- - - -	45°.5	At the point where the Road turns off to Lama Yurru
"	22	8.30 am	Kanji	Hesku	40°.5	
"	23	5.30 am	"	- - - -	42°	Opposite Village of Taktay
"	"	Noon	Waka	Molbil	58°	
"	24	Noon	"	Lohzam	56°	
"	25	6.30 am	"	Paskyum Bridge	46°	
"	"	11. am	"	Kurgyel	53°	
"	"	11. am	Suru	"	44°	
"	"	11. am	"	"	45°	Below junction of Waka River
"	27	6. am	Dras	- - - -	44°	Above junction of the Suru River
"	28	5. am	"	Kharbu	41°	
"	29	Noon	"	"	43°	Bridge below Dras Fort
July	2nd	Noon	Sind	Sonamarg	44°	
"	3rd	Noon	"	Kulan	51°	
"	4th	Noon	"	Kangan	53°.5	

Gemacht

Mit H. Adolph Schl. Briefe
am 17 Decbr. erhalten
1860.

Alfred E. Wilkinson Asst.
…Naval Service.

Corr. int Therm. 211 small — 0.4 Jun 66. 160

Temp. from Khoshallghar to Kalabagh on the Indus River

Febry 1857	Hours	Temp. of the Indus 211 small	Taken in a boat by Krishna. Remark
7th	12h noon	9. 4	Left Khusialghur 7th. 12h Noon
"	1h pm	9. 6	The River was a little
"	2h pm	10. 0	swollen by the Rains of the 1 to 5 February. ~~and the water~~ and the rains ~~of the~~
"	3h pm	9. 6	~~for~~ in the end of January;
"	4h pm	9. 4	the water had got a little
"	5h pm	9. 4	muddy by it
"	6h pm	9. 2	Variations given accurately.
8th	7h am	8. 6	Night. remained at some distance above Makhud.
"	8h am	8. 8	
"	9h am	8. 8	
"	10h am	9. 0	
"	11h am	9. 6	
"	12h noon	9. 6	
"	1h pm	9. 4	
"	2h pm	9. 4	
"	3h pm	9. 4	
"	4h pm	9. 4	
"	5h pm	9. 6	
"	6h pm	9. 6	
	8h pm	9. 4	arrival Kala Bagh.
9th	7h am	9. 2	
	9h am	9. 2	All at Kalabagh
	12h noon	9. 2	

Gemacht

Temp. from Khoshalle ghar to Kalab Bagh on the Indus River

January 1857	Hours	Temp. of the Indus 211 Small	Remarks
"	2 pm^h	9. 2	At Kala Bagh in the Stream.
	4 pm^h	9. 0	
	6 pm^h	9. 0	
	8 pm^h	8. 8	
10th	7 am^h	9. 0	
	9 am^h	9. 2	
	12 noon^h	9. 2	
	2 pm^h	9. 6	
	4 pm^h	9. 6	

Indus Temperature.
at Kalabagh.

February 1857	Hour	In the middle of the Stream like on preceding day 211.	near the shore 211. small.	Remarks
11th	7 am^{h}	9. 4	9. 2	near the shore the depth of water
"	8 am^{h}	9. 4	9. 2	Weather clear,
"	9 am^{h}	9. 6	9. 4	x by krishna.
"	10 a.m^{h}	9. 6	9. 4	very releable.
"	11 am^{h}	9. 6	9. 6	
"	12 noon^{h}	9. 6	9. 8	
"	1 pm^{h}	9. 8	9 8	
"	2 pm^{h}	9. 8	9. 6	
"	3 pm^{h}	9 8	9. 6	
"	4 pm^{h}	9. 8	9. 4	
"	5 pm^{h}	9. 6	9. 4	
"	6 pm^{h}	9. 6	9. 4	
12th	7 am^{h}	9. 4	9. 2	
"	8 am^{h}	9. 8	9. 2	
"	9 am^{h}	9. 8	9. 8	
"	10 am^{h}	10. 0	10. 0	
"	11 am^{h}	10. 2	10. 2	
"	12 noon^{h}	10. 4	10. 6	
"	1 pm^{h}	10. 4	10. 8	
"	2 pm^{h}	10. 6	10. 6	
	3 pm^{h}	10. 4	10. 6	
	4 pm^{h}	10. 4	10. 6	
	5 pm^{h}	10. 4	10. 4	
	6 pm^{h}	10. 4	10. 2	

Ozean. (diese Spalte nicht gemacht.

Jan. 1857.			
21.	10h a.m	Ladus bai Mitten hos	212
22	7h "	" " "	12.4 212
Febr.			12.6
3	9h a.m	Ladus bai Sukker	212
3	1h pm	" "	14.4 15.1 212

Fluſs-Temperaturen.

Pa̬ndžáb.

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Peshawer

Fl. Bach bei Hursinge Burs
Lawrence's
bei Encampment Ground

2 Januar 1857 · 9h. 15 am
8,2

Desember 1856	Hour	Place or River	Dry 20 8	wet 20 8	River Temp. 20 8
13th	8 a m^h	Nalla near ~~[illegible]~~ Peshawer (	—	—	5. 4
14th	9 a m^h	Juhlalee River (= the great Hufsein abvall affluent of Harroh Riv).	—	—	14. 0
	1 pm^h 10	Haro River	—	—	14. 0
15th	11. a m^h 25	~~Attoc~~ Attok or Indus near Attok	—	—	6. 6
17th	6 a m^h 27	Landa~~e~~ or Cabul River near Nowshera.		—	6. 6
	8 a m^h 45	Ditto	—	—	7. 0
12th	9 a m^h 15	Chaplat Nalla on the road from ~~Peshawer~~ to Nowshera Peshawer	—	—	15. 0

[illegible]

No.	January 1857	Hour	Name of the well or of Place near it	From Surface to water	Depth of water in well	Temp. on Surface	on the Bottom	Dia-meter	Square	Hight of well
~~6~~	20th	7 am	Lunda or Cabul River near ~~Loondamm Nowshera~~ Nowshera by Mani patwaree			No 1 47.7	by Manee Patwaree			
	"	4 pm	Indus or Actuc, near attock. Temp. by mani patwaree			48.8			River temperatures	

23 Januar 2 h pm. Peshawer Theel
Bach zwisch Hursing's Burz
x Thahal Dorf Canal 11°.

			Dry ~~Bulb~~	Wet Bulb	Temperat. of River.	
12 Jan.	3 h pm	Lunda R. near Michnee;			17,8.	observed by Krishna. is wro must not be in the main stream but a small branch which heats
20 ~~January~~.	2 h pm.	Bara River near Bara Fort.	—	—	9,2 (243)	
	5 h pm				8,4.	

21.0 Temperature of Goombeyla near Lukki
Feb. 14. 1857. 4 h P.M
river; some water now running much less than in
the Koorum R

at Pyzoo durra 20th Feby
1857 time 5 1/2 p m

1817

9 Febr. 3 h pm Bach von [illegible]
~~auf~~ in Lughalle [illegible]
11,1 ^{203}. ~~4 M~~ ½ Weg 6
[illegible] – Chesmae.

Gym

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Canal du Bara Rivers [illegible]
Entre du Peshawer Cantonnements
12, 4. Cl. 14 Janv. 5h 40pm.

Temperatur von Flüssen, Bächen etc. Dec. 1856

Nr.	Dec. 1856	Stunde	Name des Baches etc	Temp. Celsius
	24	4h 30 p.m	Jhelum Fluss bei Pind Dad. Khan	215 10.6
	25	6h 20 a.m	Jhelum bei P. D. Khan	215 8.2
	24	6h 30 a.m.	Salzbach bei Kiwra, fliesst durch das Kiwra Thal	215 13.4
	28	2h p.m	Jhelum Fluss bei Kushab	212 11.2
	"	11h 20 a.m	" } [illegible] am link. Ufer	11.2 212 L.
	"	11h 50 a.m	"	10.8 212
	"	12h 10 p.m		11.2 212
	"	12h 50 p.m	Mitte d. Flusses	11.2 212
	"	1h 25 p.m	} Ufer	11.2 212
	"	3h 50 p.m		11.8
		4h 20 p.m		11.6 212
	31	12h noon	Chenab Fluss bei Hydera.	11.4 212
	31.	9h 30 a.m	Chenab Fluss, der eine Hydrographie gemacht wurde	212 L. 10.6
	Jan. 1857			
	10	12h noon	Chenab bei Rash Ghat Multan	215 13.0
	"	9h 30 am	" "	12.5
	4	9h 50 a.m	Ravi bei Tarik Shah	212 13.2
	"	10h 50 am	" " "	13.4 212
	"	11h 30	" " "	13.6 212
	15	9h am	Ghara od. Sutlej bei Baupur	212
	"	2h pm	" "	12.8 212
		4h "		14.2 212
				15.4 212

Gmn.

Ravi

Lahore Agra

1856/87.

Temperatur des Ravi, Schiffbrücke Lahore, von einem Boote 30' vom rechten Ufer in vollem Strome

December 26		Dec 27		December 28			
Stunde	Therm 100	Stunde	Therm 100	Stunde	Ravi Therm 100	Trockner Sand bedeckt 1 Th 100	Nasser Sand bedeckt 1 Therm 100
		10	11. 2	8h	11. 3		
11h	11.2~~3~~	11	11 4	10	11.8	81.1 27.4	60.8 16.1
				11	12.1	91.8 33 3	65.7 18.8
12h	11. 6	12	12. 8	12	12.6	87.8 31. 1	71.6 22.1
					(2 18)	(2 18)	(2 18)
1h	12.2	1	13 3	1	13 6	95.7 35. 6	88.5 31. 6
2	12. 3	2	13. ~~6~~5	2	13 .7	95.9 35. 7	87.4 31. 0
3	12 6	3	13 2	3	13.8	90.0 32. 4	84.6 29. 4
4	12. ~~7~~6	4	12 9	4	13.8	82.8 28. 4	79.5 26. 6
5h	12 6			5	13 6	79.2 26. 4	75.0 2[illegible]

9 mm.

Temperatur und Verdunstung

kleiner Pfahle, im ~~Lorbeer~~ ~~nahe~~ der in Norden

von der Stadt bekannte sehr Marke in Ebe

		Temperatur				Abstand Höhe des Wasserspiegels von dem oberen Rande eines als Messungsplatz genommenen Holzcylinders		
		a grosser Pfahl	b kleiner Pfahl	c ganz kleiner	berechn. klaren Boden	a	b	c
Dec 31	12	74.8	12.0	16.8	15.4	36	42	22
	1	74.1	12.2	17.1	15.4	36	46	22
	2	75.0	12.4	15.2	16.2	40	50	22
	3	74.4	12.4	15.6	15.0	42	52	22
	4	13.4	12.4	14.0	13.0	42	50	25
	5	11.1	11.2	12.0	12.2	41	50	25

Bem.:
Wasser sehr
schlecht, riechend.
etwas salziger Boden
so viel verdunstet
schwach 56 b.
Dec 31 von 12 bis
4 starker Ost N Ost
wind. starke
Verdunstung durch
Wind, aber nicht die
Sonne Luft mit
vollem Register
Bespannung sehr
schwach.
Um 1. Ruhig
mit Sonne

In

Die Spalte a b c absolut
in Millimetern vom oberen Rande des
kleinen Pegel

W. Thermometer 204. starke Correction

Dec
18

Klemis Bruch Beikhan meldet
nach Gugerkahn.

Dec 18 5h 2 pm

12.1 100

31

172

Evaporation Schale

compass book IV

Month Day	Hour	Temperature tanks small a	large b	quite small c	Temp. moist ground	Evaporation a	b	c
					52.2	51	40	28
Jan 1	10	9.8	12.2	12.2	11.4	51	45	28
	11	11.4	15.0	14.4	54.3 12.6			
	12	12	17.0	16.6	59.0 15.2	52	45	28
	1	12.8	18.6	17.6	58.6 15.0	53	44	28
	2	14.6	18.8 ~~17.0~~	18.6	61.9 16.8	54	44	28
	3	14.0	~~18.6~~ 16.6	17.0	61.2 16.4	55	45	30
	4	13.4	15.0	15.0	59.4 15.4			30
	5	13.1	14.4	13.6	56.5 13.8	56	45	
						56	45	32.
Jan 2	11	~~16.0~~ 12.0	13.4	16.0		58	4.5	33
						61	48	36
	5	13.4	13.4	13.0				
			13 6 sehr trocken	sehr trocken		—	50 ~~54~~	—
Jan 3	10	11.4	~~13.8~~	13 8	13.	—	~~[illegible]~~ ~~trocken~~	—
	5	13.2	~~ganz trocken~~ 14.4	ganz trocken	13.4			
Jan 4	9	12.0		10.8	10.8			
	5	15.4		15.0	15.2			

in millimeters

Kleines scheint capillar gefüllt zu werden

ist wohl etwas falsch abgelesen

Gelegentlich trinkt Vieh, aber die Arbeit ist sehr gross. Die beiden andern ganz sicher ungestört

Gleichzeitig verdunsteten aus einer Thon schüssel 1'9" in 4 Tagen poröser Thon bei Eismachen gebraucht. Verdunstung durch poren angezogen und Änderung des Wassers gestiegen

Observations in the Ravi

173

N Stearman
grain
correction

Zone	Hour	Ravi	Dry Sand	Wet Sand
2	12	11 8	65.8 19.0	64.8 18.4
	1	12 0	64.4 18.2	63.0 17.4
	2	12 0	63.7 17.8	61.5 16.6
	3	12.0	61.7 16.7	58.6 15.0
	4	11.2	56.8 14.0	53.2 12.0

Tiefe des Wassers
an dieser Stelle
Zone 2 0.7 m.
lebhafte Strömung
c. 2' in der Secunde

3	11	11.8	69.1 20.8	62.6 17.2
	12	12.5	75.6 24 4	67.6 20.0
	1	12 9	70.9 21.8	66.2 19 2
	2	13.1	69.1 20.8	63.3 17.6
	3	13.1	66.0 19.1	62.2 17.0
	4	12 6	64.8 18.4	15.2 59.0

Zone	Hour	Ravi	Dry Sand	Wet Sand
4	10	12.2	66.0 19.1	53.2 12.0
	11	12.8	67.3 19.8	60.4 16 0
	12	13.3	67.6 20.0	61.5 16 6
	1	13.6	72.0 22 4	64.8 18 4
	2	14 0	69.8 21.2	65.8 19.0
	3	13 5	68.4 20.4	61.5 16 6
	4	13 4	65.5 18.8	59.5 15.5

Open

174

1856

Saone near Dorhee

April 2 $5^h 30$ a m
Air 21.0^{207}
water 21.7^{207}
wet sand 21.5^{207}

Lucknow Goomty river
April 10 5^h p m
28.6^7

very slow
and turbid (
accessible to wind
for both causes)

Agra Jumna April 14
$8^h 30$ a m
22.5^7

Delhi Jumna
~~Jumna~~ April 19 6^h a m
21.4^{207}

Gumbur April 23d
Nuddee 7.6 ~~6~~ ^{209}
below ~~Hurripoor~~
Porborbuthi

Ozone.

Fluß-Temperat.

Süd.

28.
Maerz
1857

Würtes
Temperatur des Wülessi Baches. (215 Ther.

175

11h am	29.4
12h	31.2
1h "	33.0
2h	33.4
3h	32.4
4h	30.1
5h	28.8
6h	27.8

Bjm

2d Apri
187

3d Apr

4th Apr

5th Ap

4th Ap
for

Am 16. Februar [1857] war die See Temperatur an Oberfläche: Manghar Lan in Sind 21.5
Ganz am Rande: 6h 30 a.m 17.9 21.5
" " 9h a.m 18.4
7h 10 a.m in Mitte 20.8
8h 30 an der tiefsten Stelle 21.4
7h 40 wieder in Mitte 22.0. die Stelle war für uns 2 E. F. tief.

Tempayreychur beetween Gogo and Bombay from the 2nd April 1857

		Names of places	Nº 206	
2nd April 1857	Sune Rie	Gullff of Cambay	25	2
	12 M.	Near Kurrachee Bunder	28	4
	Sune Set	Gundeyvee Bunder	27	6
3rd April	Sune Rie	Zarrapoor Bunder	25	4
	12 M.	Deymos bunder	28	4
	Sune Set	Burroll bunder	27	4
4th April	Sune Rie	Mahuebuckmee	26	4
	12 M.	Zarrapoor Bunder	27	6
	Sune Set	Wäsawa	27	2
5th April	Sune Rie	Kurnyee Hile East of Bombay	27	4

Stejer Danniel
Drafsman
Care of Mr R. Schlagintweit
Magnitic Survey of India

14th April 1857
Fort Bombay

Flußtemperaturen.

Egypten.

22

Oct 6. 5^h 45 am D.V.
Temperature of the Nile (Rosetta-branch
2 english miles below the barage)
Long. Lat.
Surface Nr 25 23,4 corr.

5 Oct. Long. Lat.
Temperature of the Nile at Shafralik
(last station of the rail-road)
6^h 15 pm D.IV. Nr 76 (now broken) 23,5 corr. 23,2

ZUSAMMENSTELLUNG
DER
SCHLAGINTWEIT'SCHEN BEOBACHTUNGS-MANUSCRIPTE.

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1. Itinerar.

2.
3. Routen und Route-Book.
4.

5. Vergleichung und Correction der Instrumente.

6.
7. Topographie und Trigonometrische Messungen.
8.

9.
10. Astronomische Ortsbestimmungen und Magnetische
11. Beobachtungen.
12.

13.
14.
15. Hypsometrische Beobachtungen und Gang des Barometers.
16.

17.
18. Allgemeine Meteorologie und Lufttemperaturen.
19.

20. Kohlensäure-Versuche. — Regenmengen. — Wolkenhöhen. — Luft-Electricität. — Ozon.

21. Optische Erscheinungen der Atmosphäre. — Beobachtungen über Thau. — Gletscher.

22. Flufstemperaturen.

23.
24. Bodentemperaturen in verschiedenen Tiefen.

25. Beobachtungen über die physikalischen Verhältnisse des Meeres. — Sammlung von Meereswasser und Wasser von Flüssen zur Analyse.

26. Beobachtungen über Quellen und Thermen.

27.
28.
29. Geologische Beobachtungen.
30.

31.
32. Geologische Sammlungen.

33.
34. Hydrographie der Flüsse.
35.

36. Beobachtungen über Tiefe und Temperatur des unterirdischen Wassers.

37.
38. Messungen von Menschenraçen.

39. Vocabulare geographischer Ortsnamen. — Etymologische und ethnographische Bemerkungen.

40. Zoologische Bemerkungen. — Zoologische Sammlungen. Ethnographische Sammlungen.

41. Periodische Erscheinungen der Pflanzen. — Pflanzengeographie. — Schneegrenzen.

42. Pflanzen-Sammlungen. — Baumdurchschnitte.

43. Briefe und Reporte an Se. Majestät Friedrich Wilhelm IV, an den Court of Directors of the Hon'ble East India Company und an Herrn von Humboldt.

Oct 6. 5^h 45 am D.V.
Temperature of the Nile (Rosetta-branch
2 english miles below the barage)
Long.
Surface Nr 2

5 Oct. Long. La
Temperature of the Ni
(last station of the ra
6^h 15 pm D.IV. Nr 76(

Schlagintweit, Hermann von / Schlagintweit, Adolf, 1829-1857 [Zusammenstellender] / Schlagintweit, Robert von [Illustrator]

Hermann (1826-1882), Adolph (1829-1857), Robert (1833-1885) und Emil (1835-1904) Schlagintweit Nachlass: Flusstemperaturen - BSB Schlagintweitiana II. 1.22

[S.l.] 1854

Schlagintweitiana II.1.22
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